



Careers for Smart City Consultants

Our client's Consultant (s) is someone that does not simply see the problems of today, but rather the challenges of tomorrow and the impact these challenges will have on cities, municipality, society, and the world. They see how technology two to five years from now will change the way cities and people connect and engage with each other and critical services such as transportation, utilities, law enforcement, healthcare, and education. You will work with customers to find ways to leverage technology to spawn innovation through: New Strategic Partnerships, Big Data, Analytics, and Artificial Intelligence. You must demonstrate this expertise through individual actions as well as an ability to collaborate with and lead cross-functional teams. Together with our client's Business Development team, the Smart City Consultant will develop a holistic view of the customer's environment. You will work to develop a strategy that takes into consideration the customer's existing technology assets, processes, resources, and funding. You will foster "smart" innovation through a consultative approach that maps a cities challenges and priorities to technology solutions. These technology solutions will focus on, but are not limited to: Energy Conservation, Environment Monitoring, Public Safety, Pedestrian Safety, Traffic Management, Parking Management ETC. Our client whose offices are based in **Nairobi, Kenya** is **URGENTLY** seeking to fill the following roles:

1. Smart City System Architect Consultant

Job Description

- Overall architecture design, solution design, topic planning, and report writing of the Smart City project;
- Provide smart city solution support for the organization, campus, and enterprise customers, including customer communication, requirement survey, analysis, planning and design.
- Architecture design and system integration for subsystems of smart cities from the perspectives of system architecture (SA) and system engineering (SE);
- Collect data about the development of the international smart city industry, analyze policies.
- Review and analyze current technology infrastructure and its ability to support strategic objectives.
- Identify and propose specific strategies, initiatives and remedies necessary to align smart city technology and infrastructure with corporate objectives.

- Define and implement testing strategies, templates and procedures for smart city services and facilities.
- Define and implement acceptance strategies, templates and procedures for smart city services and facilities.
- Define and implement IoT smart city platform for Konza Technopolis

Minimum Job Requirements

- At least five years of experience in smart city solution design. Have 1-2 aspects of network, IT, smart transportation, smart government, smart campus, smart water, smart energy, building management systems, big data, and cloud computing.
- The consultant should have knowledge of key ICT, and innovative design strategies adopted within Smart Cities elsewhere that have used technologies to resolve their urban issues.
- Experience or knowledge of advising on ICT enabled technological solutions, e-government/e-governance transitions within the context of urban infrastructure and services will be an advantage.
- Rich experience in overall planning and solution design for large-scale smart city construction projects and serve as the main owner (at least 2 comparable previous projects)
- Be familiar with IT, IP, Cloud, and IoT technologies and products. Experience in large-scale project implementation is preferred.
- Have experience in building planning, city brain, and smart community. Be able to work under pressure.
- The consultant is also expected to develop inventories of technological best practices and innovative configurations that is suitable for resolving the relevant urban development issues (within the energy, water, housing, transport and employment aspects).

Education requirements:

- Full-time bachelor's degree or above is preferred. Profession of Intelligent building, urban planning, information system engineering, computer applications, software engineering, communications engineering is preferred.
- Relevant certifications
An understanding of urban planning, urban development, urban policy and legislation and sustainable urbanization. Knowledge of the smart cities or ICT4D fields.

2. Smart City Operations Consultant

Job Description:

- Responsible for cooperating with other roles such as marketing to promote the implementation, operation and Management of smart city projects.
- Responsible for developing revenue generating strategies for Konza smart city services/facilities, and draft relevant policies and standards for implementation.
- Responsible for developing Smart City Guiding Principles, Policies and Strategies.
- Develop specific strategies and methods for smart city operation & management.
- Define and implement smart city user journeys
- Responsible for developing r, regulations, and management methods for smart city operation.
- Responsible for promoting smart city daily Operation & Management.

- Translate the Authority business issues/opportunities into technical solution/business requirements.
- Define and implement smart city user journeys

Job requirements:

- At least five years of experience in smart city operations. Have developed operating models for smart city facilities/services i.e. network, IT, smart transportation, smart government, smart campus, smart water, smart energy, building management systems, big data, and cloud computing.
- Operation and management experience of at least 3 comparable projects;
- Have experience in smart city project management and socialized operation projects.
- Based on the capability of project operation and management, market promotion and coordination capabilities are preferred.
- An understanding of urban planning, urban development, urban policy and legislation and sustainable urbanization. Knowledge of the smart cities or ICT4D fields.

Education requirements:

- Bachelor's degree or above is preferred.
- Relevant certifications such as ITIL

Skills

- Good project cycle coordination and management skills covering project design, supervision, implementation and monitoring.
- Excellent research and writing skills, particularly in the technology field.
- Excellent ICT skills and analytical and communication skills.
- Good interpersonal skills, previous exposure to cross cultural environments is advantageous.
- Ability to work well in a team whilst also having the capacity and initiative to work independently is required.

3. Internet of Things (IoT) Consultant

Responsibilities

- Collaborate with start-ups, corporates, universities and government agencies to develop projects and platforms and create new IoT data marketplaces and innovation testbeds
- Develop complex analytical solutions that meet our clients' needs in innovative ways
- Develop comprehensive materials for internal training, marketing and sales in relation to the M2M/IoT solution topic, based on in-depth understanding of industry trends and roadmap evolution of the end-to-end solution.
- Identify potential use cases of M2M. Develop the corresponding business case models and take the lead in communication with customer.
- Adopt emerging technological trends (such as predictive analytics, business analytics, or machine learning) and come up with unconventional solutions
- Identify business requirements, conduct blueprint workshops, develop functional and technical design documents, prototype and test solutions, train users, and define support procedures
- Create "thought ware" and "point-of-view" documents related to the Internet of Things

Skills

- Experience investigating possible attack scenarios by interpreting the code review findings, attack paths, and providing analysis of results
- Tracking and reporting compliance to product security requirements throughout software or hardware development lifecycle
- Experience developing innovative solutions to address security weaknesses
- Demonstrated improvements on methodologies, toolsets, and offerings through independent or collaborative development work
- Experience performing Application Security Assessment work (threat modeling, design reviews, vulnerability, penetration tests, wireless/RF security) for at least the past year strongly preferred
- Tracking and reporting compliance to product security requirements throughout software or hardware development lifecycle
- Experience with Reverse Engineering hardware or software
- Ability to identify, describe, and report vulnerabilities and standard remediation activities, to include clear demonstration of risk to clients through post-exploitation activities
- Experience with ARM/FPGA/MIPS/etc., (embedded microprocessors), Linux/RTOS or other embedded OSs
- Familiarity with security-related topics such as authentication, entitlements, identity management, data protection, data leakage prevention, validation checking, encryption, hashing, principle of least privilege, software attack methods, and data storage
- Familiarity with JTAG/SPI/other-bus-communication/Onchip Debuggers
- Demonstrated knowledge of coding standings and security requirements (NIST, ISO, OWASP, SEI CERT, MS Secure Coding Standards)
- Knowledge of Internet of Things, Network of Things, Bluetooth Low Energy, RF, RFID, Software Defined Radio (SDR), USRP, Secure Source Code Review
- Strong programming skills (Linux, Java, .NET, C/C++, Assembly, etc.) desired but not required
- Experience mentoring and advising junior staff

Education Requirements

- Bachelor's degree in Computer Science or other related discipline (e.g. MIS, CIS) required
- A solid understanding of IoT and network infrastructure, combined with a thorough business acumen in areas such as telecoms, internet services, business models and operator strategies.
- At least 3+ years in a related field, preferably in professional services and/or industry
- Experience performing Application Security Assessment work (threat modeling, design reviews, vulnerability, penetration tests, wireless/RF security) for at least the past year strongly preferred
Certifications including OSCP, OSCE, GIAC, CISSP, HCISSP, SANS 600 or 700 level course work are strongly preferred

4. Data Center Operations Consultant

Job Description

- Data center operation management: Be responsible for the stable, secure, and efficient running of the IT data center infrastructure (Facility). Provides onsite management and services for hardware devices, such as cabinets, cabling, networks, and systems deployed in data centers. Specific responsibilities include but are not limited to:

- Be responsible for the planned maintenance of data center infrastructure, routine troubleshooting, root cause analysis of major issues, and closed-loop management, performance capacity, emergency, and disaster recovery. Ensure the availability of data center infrastructure and efficient utilization of data center space and energy resources.
- Be responsible for data center security management (including but not limited to fire safety and physical security).
- Be responsible for the on-site service and support of the data center and provide cabinets and cabling services for the devices deployed in the data center.
- Be responsible for the implementation of data center processes and internal control regulations.
- Be responsible for planning and implementing measures to continuously improve service quality and reduce the data center TCO. Regularly release data center operation and service reports.
- Project operation management: Cooperate with project operations such as on-site exploration, capacity adaptation, on-site implementation, acceptance test management, and project solution rationality review.
- Supplier management: Supervise the onsite O&M of the data center infrastructure, review and track the reconstruction optimization work, organize regular communication and communication with the facility maintenance supplier, facility O&M supplier, and property management supplier, and be responsible for the service quality of the supplier.
- Collaboration and communication management: Be responsible for the collaboration and communication between the data center support business and peripheral departments (supplier, government, campus, and business), and effectively support business objectives.

Job requirements:

- Have senior operation service management capabilities, have a deep understanding of mainstream IT management frameworks and tools, and be capable of service design, process design, and process optimization.
- Have a basic command of the infrastructure construction architecture, operating characteristics, and performance indicators of the data center infrastructure.
- Operation & Management experience of the mainstream cloud platform
- Campus network or WAN construction and Operation & Management capabilities

Education requirements:

- Full-time relevant bachelor's degree or above.
- Certified ITIL Process Consultant in good standing
- Other Relevant certifications

5. Information Security Consultant

Responsibilities:

- Provide guidance on building and/or maturing information security programs, detecting and responding to computer security incidents, and implementation of tools and technologies used for enterprise security
- Evaluate client needs, coordinate design for a solution, and clearly communicate the value proposition of complex and highly technical subjects
- Implement and/or assess existing security controls
- Provide expert level knowledge of tools and technologies used for enterprise security

- Interface with clients to address concerns, issues or escalations; track and drive to closure any issues that impact the service and its value to clients
- Provide expert in-depth knowledge in collecting, analyzing, and escalating security events; responding to computer security incidents, and/or collecting, analyzing, and disseminating cyber threat intelligence
- Quickly master, simplify, and communicate the value proposition of complex subjects to clients
- Use formal project management skills in planning, tracking, and reporting on project progress
- Codify customer needs across accounts and use them to drive FireEye Mandiant Strategic Solutions methodology
- Lead overall server, cloud and data center operations with multiple stakeholders
- Articulate deliver issues/problem statement and design a resolution plan
- Experience investigating possible attack scenarios by interpreting the code review findings, attack paths, and providing analysis of results
- Work with delivery centers across multiple shared services teams

Required Skills:

- Experience with the critical tools used in security event analysis, incident response, computer forensics, malware analysis, or other areas of security operations.
- Thorough understanding of cyber security operations, event monitoring, and SIEM tools
- Experience performing Application Security Assessment work (threat modeling, design reviews, vulnerability, penetration tests, wireless/RF security) for at least the past year strongly preferred
- Fundamental understanding of network protocols
- Familiarity with Unix and Windows operating systems and administrative tools
- Understanding of security controls for common platforms and devices, including Windows, Unix, Linux, and network equipment
- At least 5 years of experience with SANS, OWASP and ISACA security frameworks
- At least 5 years of IT security experience, managing end-to-end client service delivery
- At least 5 years of experience with GDPR, HIPPA, DPA and ISO security standards

Education requirements:

- Bachelor's degree in Computer Science, Computer Engineering, Business Information Systems, Information Technology or Mathematics
- 10 years of experience in information security preferred
- Experience in securities or financial services preferred
- Industry certifications such as; CISSP/SSCP, GSEC, or GCIH a plus
- Experience leading implementation teams or hands on implementation of encryption solutions is a plus.
- Other Relevant certifications

6. Cloud, PaaS & SaaS Consultant

An experienced consulting professional(s) who understands solutions, industry best practices, multiple business processes or technology designs within a product/technology family. Operates independently to provide quality work products to an engagement. Performs varied and complex duties and tasks that need independent judgment, in order to implement cloud products and technology to meet customer needs.

Responsibilities

- Work with Agile Product/Experience teams to design and support the evolution of infrastructure architecture based on conceptual design and business requirements.
- Collaborate with solution architecture and product development teams to design and implement the infrastructure required to support their vision and strategy.
- Assist with the design and implementation of security and forensics capabilities to ensure governance across multiple cloud venues, private and public.
- Collaborate with members of the Cloud Platform Engineering team to implement and support far-reaching strategic efforts, provide constructive feedback, and foster a collaborative environment.
- Actively engage with internal DevOps platform team to develop frameworks and tools to drive extensive automation of infrastructure environments and software engineering practices.
- Develop reference architectures, publish design patterns, and speak about these internally and publicly, drive technical designs to consensus and approval.
- Contribute and respond to code and architecture reviews as needed.
- Write code and scripts to automate everything possible within the Cloud Platforms space.
- Evaluate new and emerging technologies, services, tools, and multiple cloud vendors for innovative new capabilities guide business and technology decisions.
- Enforce adherence to architectural standards/principles, global product-specific guidelines, usability design standards, governance, cost controls, etc.
- Participate in experiments in collaboration with the Tech Strategy team to pilot emerging cloud platform features.
- Provide technical expertise and troubleshooting skills for large scale distributed computing systems and software.
- Create engaging technical content including writing internal company blog posts, whitepapers, practical guides and platform demos
- Act as a subject matter expert on cloud-native technologies to enable experience teams with training, enablement, and tools
- Stay current with industry trends and recommend relevant technologies and products in the areas of Private, Public and Hybrid Cloud
- Passionate about writing clear, maintainable code that will be used and modified by others, and able to use and modify other developers' work rather than recreate it
- Motivated and Self-Starting: able to think critically about problems, decipher user preferences versus hard requirements, and effectively use online and onsite resources to find an appropriate solution with little intervention.
- Strong verbal and written communication skills, including visual presentation skills
- Demonstrated experience in research data collection, analysis, and presentation

Detail Requirements:

- At least 8 to 12 years of relevant experience in HCM Applications with at least 3 ends to end Implementation experience along with experience in at least 1 project as a lead.
- Expert knowledge on Cloud HCM Conversions, integrations, Reporting, but also having the capability of being a technical architect for multiple projects.
- Strong experience with Fusion technologies including HDL, HCM Extracts, Fast Formulas, BI Publisher Reports.

- Good technical leadership capability with strong planning and follow up skills, mentorship, Work Allocation, Monitoring and status updates to Project Manager
- Assist in the identification, assessment and resolution of complex Technical issues/problems. Interact with client frequently around specific work efforts/deliverables
- Strong experience on Java programming/IDEs - JDeveloper/NetBeans/Eclipse
- Experience of writing efficient Oracle SQL/PL-SQL and understanding of performance tuning techniques
- Experience in J2EE, JSF, XML development, Groovy Scripting, Oracle ADF 12c, Oracle ADF Mobile, Oracle WebLogic Server, Oracle Web Center Portal/Content 12c
- Experience in building/consuming web services standards and technology including WSDL, SOAP, REST, XML-Schema, SOA suite 12c, Oracle Service Bus (OSB 12c), Business Process Management (BPM 12c)
- Experience (In-Depth Understanding of Data Model and Business process functionality and its data flow) in Oracle Fusion Application and/or Oracle EBS AU (Finance, HCM or Supply chain)
- Thorough understanding of DevOps principles and DevOps tool chains (Jenkins, shell scripting, GNU Make, Terraform, Packer, Ansible, Docker)
- Extensive experience leveraging AWS, Azure and Oracle Cloud Infrastructure Platform to deploy highly reliable and scalable cloud applications
- Hands on experience using version control tools (Git) and platforms such as GitHub, Bitbucket
- In-depth understanding of Cloud technologies (PaaS-JCS, JCS-SX, ICS, SoACS, API Cloud, DBCS, PCS, MFT, BICS, MCS)
- SDL2017

Education requirements:

- Full-time relevant bachelor's degree or above.
- Relevant certifications

Bonus Skills

- Experience with large-scale distributed infrastructures, including technologies for clustering and load balancing
- Knowledge of SOA (REST, GraphQL) and IaaS/IaC (Infrastructure as Code) strategies for Private and Public Cloud scenarios
- Understanding of network database and storage technologies including NoSQL, NAS, and object stores
- Experience in Single Page Application UI frameworks (e.g. React, VueJS, Angular)

7. Data Center Infrastructure Consultants (IT, Power, Cooling, IP)

Required Skills:

- At least Seven (7) years of experience within the last ten (10) years as a Data Center Manager in the management of technology operations, multi-site data centres and operations staff with the following skills:
- Data center power, cooling, network, structured cabling, server and storage infrastructure;
- Critical systems, including power, fire, and safety;
- Electrical and mechanical design, maintenance, and problem resolution;
- Managing complex mission critical IT projects;

- Ability to collaborate with partners and suppliers across multiple disciplines.
- Five (5) years of experience within the last seven (7) years working in technical, hands-on environments and leveraging technology to manage and grow IT environments.
- Five (5) years of experience within the last seven (7) years in planning, establishing, and managing complex storage systems.
- Five (5) years of experience within the last seven (7) years designing and implementing Disaster Recovery and backup strategies.
- Three (3) years of experience within the last five (5) years Energy & Environmental Design and Green Building Technologies, Uptime Tier III Data Centers.
- One (1) year of experience within the last three (3) years working in the development of Nlyte applications.

8. ITIL Process Consultant

The ITIL Consultant contributes to a team of ITIL process managers and analysts working towards strategic, well-designed, process improvements based on the ITIL framework. Processes may include Service Catalogue, Configuration Management, Knowledge Management, Problem Management, Request Management, Incident, Change and other processes.

Responsibilities:

- Provides expert knowledge of ITIL-based service delivery processes in the DHS environment
- Assists with organizational transformation efforts as related to ITIL implementation across service lifecycles
- Provides guidance and implements processes and artifacts for Service Strategy, Service Design, Continual Service Improvement processes among others
- Analyzes existing Implementation Plans and identifies areas for improvement based on Deming Model (Plan, Do, Check, Act)
- Ensure the appropriate business process assessment and analysis is completed to identify business process gaps and impacts as they pertain directly to projects and programs.
- Orchestrate activities and provide structure and direction to others regarding standard techniques and tools to gather the appropriate set of functional and non-functional requirements in an organized and repeatable way.
- Develop strategies and plans to assess impacts and potential risks of solution alternatives, and to identify solution component sharing and opportunities for re-use.
- Partner with multiple teams to drive and complete process related deliverables.
- Provide process leadership and influence direction to SME teams and other IT professionals supporting the delivery of process standardization and improvement for IT.
- Apply consistent methods for selection and evaluation of process initiatives.
- Coordinate with other process teams to identify cross-program dependencies and leverage resources appropriately.
- Lead process improvement/standardization efforts in an IT field as identified by IT and business leadership.

- Identify defects and eliminate waste, standardize and improve processes.
- Effectively manage process design and improvement projects.
- Enhance individual and team performance by creating a climate of consistent and continuous learning (promote new ideas, conduct knowledge sharing).

Required Skills:

- Experience developing processes.
- At least 10 years of experience in IT Process Excellence Roles.
- Working knowledge of IT operations.
- ITIL implementation and/or ITIL process improvement hands-on experience.
- ITIL V4 foundation level certified.
- Six Sigma Green Belt certification or demonstrated equivalent work experience.
- Familiarity with HIPAA, COBIT, CMMI and other process standards.

Education requirements:

- Full-time relevant bachelor's degree or above.
- Certified ITIL Process Consultant in good standing
- Additional Certifications preferred: Intermediate ITIL Service Strategy, ITIL Service Design, or Certified Process Design Engineer (CPDE) certification and other Relevant certifications

9. Big Data, AI, Open Data, IoT Consultant

Responsibilities

- Deliver large-scale programs that integrate processes with technology to help the organization achieve high performance.
- Design, implement and deploy custom applications on Hadoop.
- Implementation of complete Big Data solutions, including data acquisition, storage, transformation, and analysis.
- Design, implement and deploy ETL to load data into Hadoop.

Required Skills

- At least 7 years of experience with 5 years of hands on predictive analytics experience using structured and unstructured data to solve business problems.
- At least 5 years of experience deploying large analytics initiatives/ programs across industry verticals is a must. Any prior experience with a blue-chip global management consulting firm is also a plus.
- Strong experience in consultative selling and large-scale analytics project delivery.
- Strong executive presence and inspirational leadership qualities.
- Good understanding and knowledge of statistical tools (SAS, R), analytical methods and big data technologies (Hadoop).
- Full life cycle Development

Education requirements:

- Full-time relevant bachelor's degree or above.
- Relevant certifications

10. DC Business, Sales & Marketing Consultant

Responsibilities

- Define and implement short term and long-term market strategy and market target with the organization's business development
- Define sales catalogue for the cloud data center
- Define and implement billing strategy
- Define and implement sales, marketing and customer onboarding strategies
- Develop industry vision and engage with customers (ISP/ government/ financial/industrial/.....) in Kenya

Job requirements:

- At least five years of sales experience in the data center industry, be familiar with the sales of IDC products and cloud computing products and have rich customer resources and customer relationships.
- Have strong business execution capabilities and negotiation capabilities and have good affinity and communication and coordination capabilities.
- Have general knowledge of the configuration list of IDC service products and have experience in writing IDC product sales solutions.
- Have general knowledge of network protocols and technologies and understand carriers' broadband resources.
- Have a good sense of team, strong character, agile thinking, good adaptability and pressure; Have keen market insight, strong sense of professionalism, sense of responsibility and positive work attitude.
- Sales experience in IDC, cloud computing, CDN, Internet companies, and system integration is preferred.

Education requirements:

- Full-time relevant bachelor's degree or above.
- Relevant certifications

Considering the uniqueness of some these roles, we encourage all nationalities from across the globe to apply. Our client is an Equal Opportunity Employer. If you fill you a suitable for the above role(s), please send your updated CV to mcvoi@peopleedgeconsulting.co.ke not later than 24th March 2020