

Obine Adoh

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Profile

Obine is a professional with substantial Information Security Architecture and Design knowledge. He is also a technology architect that enjoys understanding new technologies and their core needs. My quest for knowledge has led me to learn new skills in development such as HTML, CSS, Python, JavaScript to allow me create tools/applications for general web development or automation tools especially around cyber security

My core skills include -

Security Architecture; AWS; Azure; O365; Python; CI/CD pipeline and tooling; Network Security; DevSecOps; HTML; CSS; JavaScript; Python; Endpoint Protection; Application Security; SIEM - Splunk

Qualifications

- ▶ MSc. Information Security – Royal Holloway University of London, 2008
- ▶ Bachelors (BEng). Electrical & Electronic Engineering., Federal University Of Technology Owerri, Imo State, Nigeria, 1996

Key skills

- Enterprise Architecture (TOGAF, IAF, Zachman)
- Enterprise Security Architecture & strategy (SABSA)
- Technical Security Architecture & Information Assurance across projects
- Solution Architecture
- Linux core skills
- Openstack
- Identity and Access Management
- Securing Privileged Access
- Regulatory, Governance, Compliance, Risk Management and Audit (Cobit, ISO27001, FSA)
- Data loss Prevention & User activity monitoring
- Threat modelling and application decomposition to understand capabilities of threat actors.
- Technology selection and sourcing strategy
- Infrastructure and Application Security Assurance
- Amazon AWS Services & eCommerce Solutions integration
- IBM Softlayer Cloud Solutions
- Incapsula Web Application Firewall
- Retail Banking, Telecoms and Media
- Cloud Services and Architecture
 - Azure
 - AWS
- Microsoft Cloud Solutions – Office 365, SharePoint, Lync,
- DevSecOps – Terraform, VS Code, Chef, Jenkins, Cloud9, Gradle, Kubernetes, Git, GitHub, Zap Proxy, Burp suite etc.
- Programming – Bash, Python, HTML, CSS & JavaScript
- NIST 800-xxx set of standards
- Information Security Forum – for best practices and guidance

Professional Certification

- SABSA (Sherwood Applied Business Security Architecture) Chartered Security Architect – SCF
- SABSA Chartered Security Practitioner - SCPA
- Certified Information Systems Security Professional (CISSP)

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- CompTIA Cloud +
- AWS Certified Solution Architect – Associate
- AWS Certified SysOps Administrator - Associate
- Information Security Management Systems (ISMS) ISO 27001 Lead Auditor

Career resume

Lloyds Banking Group – Cyber Security Architect– Public Cloud – October 2016 – Till Date

Security Lead on projects across the group within Digital, Commercial and compliance projects. Providing assurance and Defining protection mechanisms and controls such as network classification zoning and controls, Encryption, Key Management, Securing Privileged Access, Identity and Access management, API Security, DDoS & perimeter protection, application & cloud security and monitoring etc. Obine's remit includes providing guidance and mentorship to more junior technical consultants within the team. Projects include –

- Dedicated to the Public Cloud programme to define reference architectures, engineering tooling and a secure platform for all future workloads. This include defining secure solutions such as classified zoning, threat detection, rogue device detection, secret key management, key management, securing privileged and non-privileged access to systems and services and encryption of data to meet with banking regulations and standards. Current public cloud includes Azure and AWS.
- Using tools such as Terraform, Visual Studio Code, Github, Chef for CI/CD pipeline.
- Security architecture & design of products and services being deployed in a private SaaS IBM owned platform.
- Security design and advise on Machine learning dev environment being deployed into the Azure cloud environment
- Mifid II – Markets in financial instrument directive
- PSD2 – EU Payment System Directive – includes API services for TPP access; and interconnectivity to Open Banking, authentication & authorisation, key management and security around microservices etc.
- Other projects include security architecture and advice for other 3rd party SaaS services used for back office systems

Computacenter - Lead Security Architect (Contract) –August 2015 – October 2016

- Worked within varying roles with Computacenter's clients to provide end-to-end security advice, consultancy and subject matter expertise. These are:
- Lead Security Architect on a web enabled platform built on Virtualisation solution to provide multi-tenancy application called the next generation service desk (NGSD) to a variety of customers.
- Delivered a PoC for Splunk Integration on AWS and On premise using a combination different log sources connecting to heavy & universal forwarders integrated to indexers for analysis.
- Cloud Security Architecture strategy, advice, implementation and delivery
- Lead Security consultant for a major bid work for a potential Nuclear Generation company
- Managed a team of consultants to define of a company wide solution for Identity and Access management solution to include –
 - Business case, implementation roadmap, product selection
 - Integration of Target application
 - SSO/RSO, Adaptive authentication
 - Federation to B2B customers

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Visa Europe – Senior Manager - Enterprise Security Architect (Contract) – March 2015 – August 2015

- Implementing a defined strategy for Identity and Access Management which included IdP, SP, Cloud based IdP, inbound/outbound federation, integration of multiple target applications
- Managed and documented architectural impact assessment especially as multiple projects/programmes planned to integrate with the in-flight IAM Programme.
- As part of the IAM deployment, defined architectural capabilities and patterns around SSO, Federation and multi-channel-based authentication types, i.e. mobile, step up, risk based, biometrics, 2-factor. This included architecting the solutions with capabilities for the following protocols – SAML2, OpenID Connect, WS-Federate, OAuth2
- Defined a cloud security strategy. This included the security around the use of SaaS, IaaS, PaaS. Establishing relationships with stakeholders to identify the needs across the business to come up with a reusable and business driven architecture. Examples include use of cloud security brokers where confidential information is to be stored on a cloud provider's systems.

Computacenter - Lead Security Architect (Contract) –Jan 2014 – March 2015

- Worked within varying roles with Computacenter's clients to provide end-to-end security advice, consultancy and subject matter expertise. These are:
 - Lead Security Architect on a web enabled platform built on Virtualisation solution to provide multi-tenancy application called the next generation service desk (NGSD) to a variety of customers.
 - Defining the end-to-end security solution architecture, threat models and preparation of RMADS in readiness for accreditation.
 - Onsite Security Manager for Two Insurance firms (DLG & NFUM)
 - PCI DSS remediation and Gap Analysis
 - Security Assurance and consultancy across projects.
 - Audit and assessment of a PKI Infrastructure
 - An Airport Authority (Gatwick)
 - Security Assurance and consultancy across projects.
- The role involves Security architecture & design, compliance, assurance, audit.
- Operational reviews and re-design of security products to achieve business requirements. Typical examples are Bluecoat proxies and Cisco Ironport
- Lead Security consultant for a major bid work for a financial services client
- Coached a team of junior consultants and architects across a variety of projects to meet project/business goals.

Co-operative Banking Group (Contract) - Security Architect - April 2013 – December 2013

- Working on multiple streams, which include digital transformation for the cooperative group. Providing security advice and guidance on the security of a mobile platform.
- Development, design and implementation of Data Protection Control across non-production environments within the bank for the use of 'live' data in non-production environment. This included multiple environments, systems and components. Management of 4 different streams to meet the business vision including:
 - Integration with the Bank wide operational risk management process
 - Assessment of all non-production environment
 - Defining of controls to reduce risk and meet objectives including regulatory and compliance
 - Decommissioning of data across multiple environments
- Carrying out Technical Risk Assessment and gap analysis to identify business impact and threats to the IT infrastructure for the preservation of Confidentiality, Integrity and Availability
- Technical Assurance, Design, implementation and Identification of Security controls; defining solutions to mitigate risks to meet FSA, Data protection Act and other standards such as PCI DSS, using ISO 27001

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Rule Financial Ltd - Principal Consultant – Sr. Solution Architect – June 2012 – March 2013

- Mobile Telecom – Architecture, design and implementation of a user activity monitoring solution for two major mobile telecom organisations. This also included the development of a reporting solution using MS SQL and an internal risk assessment to understand leakage channels
- Creation of a nearshore Level 1 & 2 MSS support center in Poland for support and management of the user activity monitoring solution
- Managed the nearshore team in putting together a framework for compliance to ISO27002; with the aim of certifying to ISO27001.
- Created a security service propositions including 3rd Party Supplier Assurance, Compliance, Security architecture and consultancy as a service offering to the financial services sector
- Part of the team that defined the enterprise architecture approach for a newly created architecture function. Obine's main focus was to embed security architecture into the EA function.

T-Mobile/Orange (Everything Everywhere Ltd) - Contract – March 2012 – June 2012

- Security Architecture; Security framework & Policy Architecture; Security Design Patterns; Security Assurance across projects

BT iNet (Contract) - Principal Consultant – February 2012 – March 2012

- Conducting a gap analysis using ISO 27001:2005 and against BT Security policies and standards; Market Demands and Analysis against trends for the development for a Managed Security Service, competition & recommendations; and creating a transformation map for the next financial year starting from April 2012.

Co-operative Banking Group (Contract) - Security Architect – Sept 2011 – February 2012

- Projects included BoE discount eligibility project, Cheque fraud detection systems and providers; and data center audit across the US and EU for the bank.
- Carrying out Technical Risk Assessment and gap analysis to identify business impact and threats to the IT infrastructure for the preservation of Confidentiality, Integrity and Availability
- Technical Assurance, Design, implementation and Identification of Security controls; defining solutions to mitigate risks to meet FSA, Data protection act and other standards such as PCI DSS, using ISO 27001
- Provide Design and Assurance of a managed PKI Infrastructure and digital certificate through a TTP

T-Systems UK, Lead Consultant - (Contract) – Jan 2011 – September 2011

- Creation of the Enterprise Security Architecture standard for Everything Everywhere Ltd and providing design, assurance and impact assessment of all low/high-level solution design documentation.
- Design of security solution to mitigate identified risks.
- Implementation, management and monitoring of the SIEM platform running Envision, endpoint security and strong authentication schemes
- Provide Design and Assurance of a managed PKI Infrastructure

T-Mobile/Orange (Everything Everywhere Ltd) - Contract – October 2010 – December 2010

- Working within the Network Group recreating all the security policies and redefining all the security standards across both network operators. Technical Security Advice and guidance to projects involving architects and other stakeholders to define and apply consistent security guidance to new solutions for the business.

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Capgemini UK Ltd, Infrastructure Consultant – Security - (05/09 – 10/10)

Working as a project lead on multiple projects providing information assurance across Aspire contract for HMRC:

- Define end-to-end information assurance requirements and infrastructure architectures, ensuring that solutions are in line with standards like the HMG, CESG guidelines, ISO 27001 baseline controls; Ensure key risks are mitigated and taken into consideration during the design stage of projects
- Production of Physical design documents to contribute towards the Full System Architecture.
- Defining standards and point of view across the whole Aspire/HMRC estate for Firewalls, Network and Host Intrusion Detection Systems, Network Design Criteria, PKI Solution, digital certificate management through a TTP and Database Security and gaining management and stakeholder buy-in.
- Contribute to the provision of detailed specifications for IT security solution and supporting the development and production of Assurance Testing Plans (ATP)
- Ensure key risks are mitigated and taken into consideration during the design stage of projects.

T-Systems UK – A Deutsche Telekom Company - Principal Security Analyst (10/08 – 05/09)

Responsibilities Included:

- Team management and responsible for senior consultants working across multiple projects. Providing guidance and advice on major transformation, security solutions for each particular customers needs
- Design of security solutions for customers. These include Firewalls – ASA, Nokia and Crossbeam running Checkpoint, Proxy, email gateways, 2-factor authentication schemes, secure connectivity schemes using strong encryption schemes, PKI Solution, digital certificate management through a TTP and providing solutions for classification of data.
- Provide consultancy and advice to Project Managers, Stakeholders, Service Delivery Managers to define customer requirements thereby defining the architecture and designs; and a secure implementation method
- Worked as part of a global team that successfully migrated services/applications across different datacenters; this also involved network and security devices to data centers both within and outside the UK

Technical Security Architect, SpinVox Ltd, (02/08 – 09/08)

Responsibilities Included:

- Technical architecture lead that defined and designed controls for Information Security Management System (ISMS) and successfully took the company to achieving ISO/IEC 27001:2005 certification. It involved implementation, maintenance, Risk Analysis, Risk Treatment, updating the risk register, creating corrective and preventive action plans and preparing the statement of applicability, critical asset valuation and the identification and selection of controls to mitigate risk
- Implementation of technical controls to mitigate risks. These include - IDS/IPS, Firewalls, encryption technology, VPNs, Secure virtualisation architecture

Security Specialist – Hutchison 3G UK Ltd, (07/05 – 02/08)

Responsibilities Included:

- Provide consultancy and advice to Project Managers, Stakeholders, Service Delivery Managers to define customer requirements thereby defining the architecture and designs; and a secure implementation method

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- Worked as a Security Lead involved in providing internal consultancy in security architecture & design. Implementation of solutions to mitigate risk and protect the IT infrastructure from intrusion, data loss/theft
- Firewall design, integration and management. Secure user authentication using Cisco ACS and ActivCard. Upgrade of all Cisco ACS and PIX, and Checkpoint Firewalls in a failover solution. VPN Solution design, support and management across the retail stores.
- Providing design assurance of solutions delivered by Ericsson.

Secure Network Consultant, Siemens Business Services (Formerly BBC Technology, Maidenhead, UK, (08/04 – 07/05)

Responsibilities Included:

- Technical design and implementing of the BBC Internet infrastructure, including VPNs, Firewalls, RAS, Authentication etc. Project work delivering new security solutions for customers mainly external but in some cases for other business areas within the BBC

Infrastructure Engineer, BSKYB - Sky Sports.Com, (11/03 – 07/04)

Responsibilities included:

- Maintenance and implementation of the network infrastructure, which includes Windows Desktops, Servers, Active Directory Services, Group Policies, Sun Solaris & Linux Unix Operating Systems, PIX, Checkpoint and Nokia IPSO Firewalls, Load balancers and web servers