Name: Zubi Belonwu

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EDUCATION:

BSc Business Information Systems

PROFESSIONAL CERTIFICATIONS

* AWS Certified Solution Architect Professional
* AWS Certified Advanced Security Specialty (In Progress)
* TOGAF 9 Certified Enterprise Architect (Associate)
* Project Management Certified Prince2 Practitioner 2014
* WAS Network Deployment 8.5 IBM Certified
* ITIL V3 foundation

PROFILE

Creative, accomplished & driven IT DevOps & Architect, recognized for excellence in the design, management, and development of complex business applications and infrastructure.. Passion for delivering end to end technical Cloud solutions that meets the business requirement. A highly motivated and certified Architecture with a proven track record of leveraging technical solutions in numerous sectors ranging from Banking, Trading, Energy to Media. Led quite a number of designs and implementation of fully automated Infrastructure as code on public cloud platforms.

PROFESSIONAL EXPERIENCE

## DNB BANK NORWAY AUGUST 2018 – DEC 2019

## INFRA CLOUD ARCHITECT.

## PROJECT: Cooperate Payments Modernization Program.

The aim is to Design a modernised Financial Transaction management systems, FTM, PDS & validation engine. Which is adaptable and a reliable payments platforms to facilitate external partners and business insights for customers to prosper in Cloud, Hybrid & On – premise payments engine solutions. The nominated designed Solution is to be used for transactions and storing all relevant information related to secure transactions that are processed and booked through DNB’s payment Value chain complying to ISO 20022 standards.

DUTIES

## Ensured successful execution of the Cloud Infrastructure Design Methodologies and Strategies AWS

## Created solution LLD and HLD Architecture developed in existing environment.

## Ensured proper governance across the end to end solution and engages the design and delivery teams plus any contributing technology and service partners throughout the delivery phase.

## Worked with customer Cloud, on-premise & hybrid Architecture, Integration, Data migration teams in validating the current solutions and creating a new platforms.

* Collaborate with implementation solutions teams & existing legacy, Integration architecture teams to bridge integration solution gaps
* Defined platform roadmaps and design low level cloud platform infrastructure and DevOps tooling architecture into services for the various teams to build their cloud applications.
* Built deep relationships with senior technical individuals within customers to enable them to be cloud advocates.
* Created an Auto Scalable Multi AZ distributed workload for high availability and Multisite hybrid architectural designs introducing a more robust cache data persistence solution.
* Ensured compliance with DNB’s technical policies and standards. IAM Policies etc.

## Effectively leverage product capability, driving standardization, limiting customization, and maximizing reuse of content developed for previous solutions to be induced into cloud solutions.

* Design AWS architecture to enable cloud migration programs, analyse existing application and IT services portfolios, develop assets’ migration, transformation and automation approach, craft implementation roadmaps.
* Designed prototypes and delivered AWS cloud native solutions, leverage AWS platform rich services offerings etc.
* Evangelised best practices in infrastructure architecture methods and standardised the methods for improved operational stability, resilience and security.
* Design, prototype and deliver cloud agnostic microservices architecture leveraging Kubernetes, Pivotal and other PaaS platforms.
* Serve as an AWS evangelist, consult and provide technical guidance on AWS design, governance, performance, scalability, security, operations and cost control AWS best practices
* Defined, created and managed architecture models and roadmaps for infrastructure components, making sure they align to architecture target states.
* Translated roadmaps into packages of work to be included in incremental platform deliverables, taking into account minimum viable product and minimum marketable features principles
* Enforced clear links between the programme’s infrastructure architecture and the overall bank’s strategy and target architecture, and that meets the expectations of the client and business requirments.
* Promoted best practice in infrastructure architecture methods and standards, contributing to the wider conversation and methods for improved operational stability, resilience and security

DIALOG SEMICONDUCTOR SWINDON UK **AUGUST 2017 – JULY 2018**

AWS CLOUD INFRA ARCHITECT

MIGRATION

DUTIES

* Design, implement and Administration of highly available, scalable and well secured Development, Test and production environments
* Design and Implement EC2 backup strategies by creating EBS Snapshots and attaching the volumes to EC2s when required by the business.
* Developed and implemented software release management strategies for various applications as per agile process and in house tools.
* Liaise with Developers to manage upgrades and new releases of applications, tools and systems providing support across both technical and non-technical team.
* Document all system configurations, build processes and best practices, backup procedures, troubleshooting guidelines using Atlassian Confluence & JIRA
* Use Auto-Scaling and Elastic Load Balancers to deploy and deliver a highly scalable and available
* Involved in performing tasks like Branching, Tagging, and Release Activities on Version Control Tools like SVN, GIT
* Designed AWS formation templates to create VPC architecture, EC2s, Subnets and NATS to meet high availability application and security parameters across multiple cloud platforms.
* Design roles and groups for users and resources using IAM and AWS POC responsible for creating and managing VPC, IAM users, EC2 instances, EBS, S3 and RDS resources
* Cognitive about designing, deploying and operating highly available, scalable and fault tolerant systems using Amazon Web Services (AWS).
* Experienced in implementing Organization DevOps strategy in various operating environments of Linux and other OS affiliated servers along with cloud strategies of Amazon Web Services.

THOMSON REUTERS UK AUG 2016 – AUG 2017

FINANCIALS & RISK

AWS CLOUD APPLICATIONS /DEVOPS ARCHITECT

WORLD CHECK COMPLINET MIGRATION PROJECT

* Designed end-to-end architecture, transition/migration strategies, standards, processes and toolkits/accelerators according to TR standards on DevOps platforms.
* Design high quality AWS architectures to meet customer requirements consistent with industry standards.
* Architect cloud native applications in public cloud environments specifically AWS platform  
  Act as thought leader in the area of AWS Cloud Platform and represent in internal and external forums
* Develop AWS cloud migration approaches and develop accelerators to identify and build competency in partner tools using various CD and CI tools – Puppet, Jenkins, Ansible and GitHub repositories in house tools for deployment. Docker for Containization of existing images and builds.
* Act as a subject Matter expert for TR Complinet Java based applications, architecture and design for both cloud native and cloud migration scenarios in relation to the Migration project.
* Using Jira and Confluence to stream line and document the work Flow and Changes made in the new PROD and PRE PROD/DR Environments.
* Help in capability development within the organization and help in developing competency framework around AWS Platform **(EC2, S3, Route 53, Cloud Formation)**
* Designed & configured RDS instances using Cloud formations and Terraform.
* Automated AWS components like EC2 instances, Security groups, ELB, RDS, IAM through AWS cloud Formation templates.

WORLDPAY (NAP PROJECT) **AUG2015 –JULY 2016**

CLOUD DEVOPS BUILD ENGINEER

HYBRID PAYMENTS PLATFORM

The aim is to build the world’s most progressive, adaptable and reliable payments platforms to facilitate partners and business insights for customers to prosper in Hybrid payments scheme clearing and card industry data security.

DUTIES

* Continuous integration and software delivery, utilising TeamCity, Jenkins, Vagrant & Gitlab CI, version control and source control software, Git.
* Provisioning of dynamic & complex Linux hosts comprising 50 EC2 cloud based servers for business & payments partners which involve the following AWS components EC2, ELB, VPC, ASG, AMI, S3, Cloud watch.
* Continuous Integration [Jenkins - build deployment jobs, & Amazon Web Service Re-Architecture, from reducing and mitigating SPOF (Single Point Of Failures) & installed & Configured SSO Service Provider (Single Sign-On)

# Ability to develop automated deployment solutions for infrastructure requirements using Ansible.

# Strong communicator and have excellent stakeholder management skills

# Firm knowledge of infrastructure and network design within a virtualised, highly available and secure environment.

* Used Elastic Search for caching, performance, optimization and cataloguing.
* Reporting tools Jira and confluence, remedy to ensure complete information Governance is maintained in the knowledge base and work book

# Defined and deployed infrastructure using configuration management utilities which are easily tested and repeated as well as deploying applications through CI and other forms of automation language.

RURAL PAYMENTS AGENCY DEFRA PROJECT **JAN2015 – JULY2015**

DEVOPS TEAM /UNIX ADMINISTRATOR TEAM LEAD

The Global Technical Platform & Operations team provide high quality, comprehensive infrastructure and application support services to business technology partners on a globally consistent basis. These services cover the automated monitoring and resolution of standard infrastructure/application events, along with an in-depth proactive assessment program that ensures the ongoing stability of core applications SitiFarmer & SitiAgri.

DUTIES

* Utilised SkyScape to provide flexible, scalable and tailored solutions and Pfsense – virtual firewall configurations for networks & SSH secure tunnelling.
* Implementation and support of virtualised environments, Cloud Computation (RackSpace,V-cloud, AWS, VMwares)
* Deployed infrastructure services onto EC2 instances in conjunction with Route53 / S3 / VPC / Cloudfront / RDS AWS Services including AWS Direct Connect.
* Identification, investigation and resolution of system and application issues escalating to third party vendors i.e Abaco, Spora and Kainos. for land management systems on Linux VMware.
* Supported the identification, investigation and resolution of network issues.
* Analysed HTTP traffic managers to drop, redirect or rewrite requests having bad [HTTP](https://en.wikipedia.org/wiki/HTTP) patterns
* Supported the streamlined data management ,dissemination activities and deployment code drop into production and pre- prod environments using Github and Ansible.
* Preparation & review of technical/operational documentation and Design Architecture.

UniCredit Germany JAN 2014 – DEC 2014

Unix Platform Architect Consultant

DUTIES

* Unix/Linux Configuration, performance tuning, security hardening and implementing Solaris and AIX, Linux system Clusters, Servers and Storage.
* Design, configuration, administration and Virtualization - VMWare, Zones, WPAR, LPAR.
* Have strong technical skills, excellent business understanding and strong communication skills. and on-call (24x7) production support and Cross platforms.
* Implementing automated deployment processes A small amount of internal IT support Server provisioning Software sourcing and licensing management Hardware sourcing and management.
* Administrating RedHat, CentOS ,Linux RHEL, Apache, MySQL, Networking TCP/IP, FTP etc
* Troubleshooting, Automating with Bash, Puppet Load balancing and Monitoring tools Nagios, and Tivoli.
* Plan and maintain server deployment and maintenance infrastructure for a rapidly growing set of systems.

ROYAL BANK OF SCOTLAND (IBM CONTRACTS) MAR 2013 - JAN2014

MIDDLEWARE WAS ARCHITECT

RAINBOW PROJECT

DUTIES

* Perform software installation, upgrades/patches, troubleshooting, and maintenance on UNIX servers.
* Analyse and resolve diagnostic problems on Sun Solaris, Linux Red Hat and AIX systems.
* Responsible for capacity planning, including allocating storage, providing hardware and software redundancy, and planning future expansion requirements.
* Initial setup of Open LDAP to centralize network device authentication with PKI and RSA products as well TCP/IP Networking and connectivity.
* RPM package creation for Ticketmaster proprietary software. Redhat Package Manager Specifications file creation.
* Advised on best practices and spearheaded an upgrade project from older Linux distributions to CentOS - RHEL5.

BARCLAYS BANK PLC, MANCHESTER APR 2012 - JAN 2013

SNR UNIX PLATFORM CONSULTANT

Working for the Credit Derivatives Specialised Trading and Unix Middleware Technologies deploying Application Platform Change Deliverables for Global Cooperate Banking Projects and Complex middleware environments.

**BARCLAYS WEALTH PROJECT, IBM UK SEPT 2010 – JAN 2012**

Phoenix Project is mandated to deliver a global Cash Management E-banking platform to Barclays Bank PLC, a major world-wide financial services provider globally based. Phoenix is developed on the CitiDirect NextGen platform leveraging its core capabilities as user interfaces, payment processing, file processing, batch payment processing, and reporting.

**ABNAMRO BANK, HOLLAND. DEC 2009 - AUG 2010**

**SNR UNIX SA / IBM CLEARCASE ARCHITECT**

**UNIX SOFTWARE – SEI PRODUCTION TEAM**

**FORTIS BANK , AMSTERDAM MAY 2009 – DEC 2009**

**UNIX / DOMAIN CONSULTANT**

**GLOBAL BANKING & MARKETS**

I&O Mainframe & Midrange systems Design and Production in high availability HA and Fault Tolerance Hybrid trading environment.

**SUN MICRO SYSTEMS {PS}, FRANKFURT GERMANY JAN 2009 – APR 2009**

**SFCFS CONSULTANT**

Project based Designing and implementing. Translating architectural designs into implementation according to specifications. Platforms included SUN Architecture – M series, running on UNIX platforms Solaris 10 Sparc & x86 connected to storage TEK. Installed and configured 8 nodes in a cluster deploying installing most current version of STORAGE FOUNDATION v5 clustered file systems running on Veritas clustered Environment. Allocation of LUNS for disk presentation SAN.

**REUTERS , CANARY WHARF , LONDON JUL 2007 – DEC 2008**

**SNR UNIX APPS HOST ARCHITECTURE**

Performing CORE Solaris advanced systems administration, account management for various systems, security work (pre-emptive patching, auditing, user education, network design, and intrusion response), advance performance analysis, network troubleshooting (in coordination with the Network Group).

**JP MORGAN CHASE JPMC SEPT 2005 - JUN 2007**

**JUPITER PROJECT- LONDON/NEW YORK**.

SNR Applications Consultant

Jupiter is responsible for the provision of systems providing settlement, accounting and confirmation functionality to the Rates, Credit Markets, and FX, Money Markets, and Equities businesses. The Jupiter system is a cross business, multi-component platform specializing in Back Office functionality. This system handles daily settlements in excess of a trillion USD.

WPA WESTERN PROVIDENT ASSOCIATION, DORSET, UK MAR 2005 - AUG 2005

SNR SYSTEMS ADMINISTRATON

BG GROUP {BRITISH GAS) READING UK OCT 2004 - MAR 2005

UNIX SA INFRASTRUCTURE ENGINEER (SCHLUMBERGER)

BT Syntegra, Leeds UK (Contracts) FEB 2004 - OCT2004

3RD Line Application Support (NHS SPINE)

Oracle/Sun Micro Systems, Farnborough UK (Perm) JAN 2002 – FEB 2004

STRATEGIC RESOURCE SYSTEMS ANALYST

Reporting to the Head of Remote Management Systems.(RMS).

Arc International, San Hose USA (Perm) JAN 2000 - JAN 2002

UNIX Support and Administration.

Reporting to the Head of Systems Integrations Group. (SIG).

**SKILL SUMMARY**

* Architecture: Solution and technical Architecture experience using Agile practices, SLDC, CI, Cloud SaaS/PaaS/IaaS/ AWS, TOGAF, Open Source and industry-specific frameworks
* Cloud Technologies: AWS Amazon Web Services, Rackspace, Skyscape. IBM Cloud.
* Languages: Java, Shell scripting, Python, HTML, JavaScript, JSON, YAML
* Version Control Systems: Git, Code commit
* Code infrastructure Management Tools: Jenkins CodeBuild Code Pipeline, Chef, Puppet, Ansible, TeamCity, Cloud Formation, Terraform
* App & Web Servers: WebLogic, WebSphere, Tomcat, JBoss, Apache, MS IIS, nginx
* Databases: Oracle, MySQL, Sybase, PostgreSQL, Amazon Aurora, Amazon RDS, Dynamo DB, Redshift
* Virtualization: VMWare ESX, Amazon AWS EC2, Vagrant, VirtualBox
* Containerization: Docker, AWS ECS, AWS Fargate.
* OS Versions: Linux and UNIX, iOS, Android, Solaris, Centos, Ubuntu, Debian & Redhat
* Queues: AWS MQ, AWS SQS, AWS Step Function
* Network/Infrastructure: TCP/IP, DNS, DHCP, LDAP, Centrify, AD, ROUTE53, VPN, Direct Connect, VPC,ELB • CDN: Cloud Front,
* Storage-EMC, Netapps, S3, Amazon Storage Gateway, Amazon EFS, Glacier, Amazon EBS, Elastic Cache.
* **Monitoring**: Tivoli, BMC Patrol and TSCO, Datadog, Cloud Watch, Nagios, Cloud Trail, Grafana, ElasticSearch, Clearview, OMD & Splunk Forwarding.
* Deployment/Integration Tools: Puppet, Ansible, Docker, Docker Compose, Docker swan,Terraform , Puppet, Nexus, Bamboo and Jenkins.