JOSEPH ESSOMBA MINKOULOU

Plano, TX | 469.508.8074 | josephjem2006@gmail.com | www.linkedin.com/in/joseph-essomba-minkoulou

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AWS Solutions Architect | Cloud Architect

Highly Team-oriented AWS Cloud Solutions Architect with more than five (5) + years of experience working as a Cloud Solutions Architect for several customers and managing sever infrastructure and data operations from simple to complex project.

CORE COMPETENCIES AND ACHIEVEMENTS

AWS Cloud expert. Provided architecture guidance for selected Business Units, assessing migration feasibility and deployment strategy based on AWS Architecture best practices.

Project Management. Leveraged strong technical, business, operations, project management experience to provide practical solutions for complex IT Service Management requirements. Provided business analysis, methodology, data architecture modeling, and technical project management of a senior architecture team.

Solution Design. Converted business requirements into solution designs, designing a web-based systems architecture, service-based architecture, and enterprise application architecture. Performed and supervise solution/tool selection, fit-gap analysis, requirement gathering, solution design, application configuration, and testing.

Business analyst. Ensured availability, reliability, security, and scalability of different environments (Production, Lab, etc.) to meet business requirements. Created solutions to client requests by evaluating client requirements and structuring a strategic technical solution to address the requirements.

PROFESSIONAL EXPERIENCE

COUCHBASE | Texas | September 2022 to present
Cloud Architect

- Help customers with migration to different cloud providers (AWS, GCP, AZURE) by integrating and leveraging different technologies and tools.
- Help customers succeed by solving their challenging technical problems, all the way from design through to production operations. This means working on hands-on customer issues, and escalating problems as needed.
- Assist with all phases of Couchbase implementations, starting with installation, architecture design and review, deployment topology planning, tuning and providing best practices.
- Contribute to internal technical projects, which can include software development, benchmarking, troubleshooting.
- Work closely with the sales team and pre-sales team on technical escalations and help grow opportunities in existing accounts.
- Work with all technical levels from managers, to architects and developers and explain the Couchbase Server technology and architecture.
- Technical product expert and trusted advisor for customers and stay up-to-date on the No-SQL competitive landscape.

- Identify and write internal and external technical collateral, like typical deployment architectures or best practices.

TRANSAMERICA | Texas | May 2018 to September 2022
Cloud Solution Architect
- Build VPCs from scratch, creating private and public subnets, creating security groups and network access lists, configuring internet gateways, create AMI, understanding of user access management / role based access / multifactor authentication and API access, configuration of auto scaling and elastic load balancer for scaling services if a configured threshold has been exceeded, configuration of SNS to send notifications and Cloud Watch to collect logs and metrics.
- Participating in deep architectural discussions to build confidence and ensure customer success when building new and migrating existing applications, software and services on the AWS platform.
- Proactively monitor resources and applications using AWS Cloud Watch including creating alarms to monitor metrics such as EBS, EC2, ELB, RDS, S3, SNS and configured notifications for the alarms generated on events defined.
- Develops technical plans and roadmaps.
- Analyzed, developed, and a plan to migrate eligible applications from on-premises to a cloud solution.
- Examined applications and implement proactive monitoring and redundancy at all tiers to help meet customer's aggressive reduction in unplanned outage time.
- Configure Windows / Linux servers as needed, troubleshoot issues, and recommend system enhancements,
- Proposed and documented system designs that meet or exceed current business requirements.
- Reviewed and guided applications design to meet performance, scalability, reusability requirements.
- Worked with Finance, HR, and Technology leadership to develop and execute system processes.
- Worked with business and IT management to explain benefits of design proposals.
- Collaborate with application development teams and operations team to create synergy leading to success application delivery.
- Troubleshooted and resolved deployment / configuration / set up issues and work with appropriate teams to correct any issues.
- Developed large scale application architectures to meet business requirements in complex environments.
- Educated customers of all sizes on the value proposition of AWS, and participate in deep architectural discussions to ensure solutions are designed for successful deployment in the cloud.
- Captured and share best-practice knowledge amongst the AWS solution architect.
- Created business continuity / disaster recovery, fail-over and run-book documentation.
- Ensured security is integrated into all cloud architecture solutions.

- Deployed Amazon Inspector, Macie, GuardDuty and AWS Shield & WAF to enhanced security in the customers AWS production environment.
- Configured NACL and security groups, thus limiting malicious attacks from blacklisted range IP addresses.
- Designed and managed public / private cloud infrastructures, using Amazon Web Services which include EC2, S3, Cloud Front, Elastic File System, RDS, VPC, Direct Connect, Route 53, Cloud Watch, Cloud Trail, Cloud Formation, and IAM roles.
- Configured and managed Elastic Load Balancer (ELB-ALB), to avoid single point of failure of application servers and web servers, thus providing high availability and network load balancing.
- Advised and support work that involves the planning, analysis, design, development, testing, quality assurance, configuration, installation, implementation, integration, maintenance, and management of cloud IT assets and infrastructure.

MINMAX | Dallas, TX | February 2014 to May 2018
AWS Cloud Engineer
- Educated customers on the value proposition of AWS and AWS services.
- Partnered with the sales team to design solutions for customers that drive AWS adoption and revenue.
- Captured and shared best-practice knowledge amongst the AWS Solutions Architect team.
- Created business continuity / disaster recovery, fail-over and run-book documentation.
- Ensured security is integrated into all cloud architecture solutions. Conducted deep-dive "hands-on" education / training sessions to transfer knowledge to internal customers considering or already using the AWS cloud.
- Hands-experience writing Production-ready automation code to implement solutions with Ansible, CloudFormation.
- Designed of customer's Cloud environments with a focus on AWS and demonstrated technical cloud architectural knowledge, playing vital role in the design of production, QA and development Cloud Infrastructures running in 24x7 environments.
- Experience in deploying and motoring applications on various platforms using Elastic Beanstalk, setting up the life cycle policies to back the data from Amazon Web Services AWS S3 to AWS Glacier. Hands-on knowledge of transitioning clients to the cloud, i.e., migrations, hybrid co-existence.
- Collaborate across multiple teams to research, architect, engineer, and configure complex cloud solutions to specified requirements in support of global, business critical systems.
- Strong knowledge of AWS services including EC2, Lambda, S3, EFS, RDS, Redshift, Route 53, CloudWatch, CloudTrail, IAM Roles, DynamoDB, VPC.
- Configured NACL and security groups, thus limiting malicious attacks from blacklisted range of IP addresses.
- Setup NAT gateway as a route out to the internet for instances in private subnet.
- Setup internet gateway as a route out to the internet for instances in public subnet.

- Responsible for creating VPCs for Dev / Test, shared services and production accounts thereby simulating a production environment for web / application servers and database traditional servers in public and private subnets respectively.
- Responsible for creating Auto-scaling groups from launch configurations to either scale out or shrink back instances depending on traffic and demand, and this service is supplemented by SNS notifications from CPU utilization and other monitoring parameters.

PREVIOUS WORK EXPERIENCE
TEXAS DEPARTMENT OF CRIMINAL JUSTICE | DALLAS, TX | January 2012-February 2014
Admissions Coordinator

KEY SKILLS

- Project management
- Team leadership / Security Awareness
- Team Motivation / Self-motivation
- Governance, Risk & Compliance (GRC)
- Strong verbal communication, Git, Ansible
- AWS (EC2, EBS, S3, IAM, AMI, VPC, NACL, Security Groups, Route 53, Auto Scaling Group, ELB, SNS, CloudWatch, CloudFormation)
- Cloud security (IAM, Network security, data encryption, DDoS protection)
- API lifecycle automation (API Gateway, Rest API, API security, Amazon Cloudtrail)
- Coding skills (Java, python, shell scripting)
- Cloud Architecture & Implementation
- Cloud Native Applications
- Cloud Cost Management
- Cloud Application Migration
- Pre-sales support
- Excellent oral, written, and presentation skills
- Solution/Services Lead Selling
- Microservices architecture (Docker, ECS, AWS Fargate, ECR)

EDUCATION
Master's degree in Law | University of Yaounde II, Yaounde, Cameroon

CERTIFICATION
- AWS Certified Cloud Practitioner (CLF) – Certified
- AWS Certified Solutions Architect Associate Professional - In progress

LANGUAGES
English | French | Spanish | German | Italian | Chinese