

SUMMARY

Senior Software Engineer with 8+ years of experience building and operating scalable, secure, and cloud-native systems across telecom, fintech, and enterprise platforms. Strong expertise in Java, Spring Boot, AWS, and Kubernetes, with recent focus on infrastructure reliability, EKS cluster operations, and production support. Proven ability to optimize system performance, manage cloud infrastructure, and ensure high availability through proactive monitoring, automation, and incident response.

Java • C++ • Python • SQL • JavaScript • Spring Boot • Hibernate • JPA • TIBCO • RESTful APIs • Kafka • RabbitMQ • JMS • AWS • Kubernetes • OpenShift • Docker • Jenkins • CI/CD • PostgreSQL • MySQL • Oracle • Cassandra • Redis • OAuth2 • TLS/SSL • SSO • CORS • CSP • CloudWatch • Dynatrace • ElasticSearch • Splunk

Backend & Cloud: Java, Spring Boot, Python, .NET, Microservices, REST APIs

Messaging: Kafka, RabbitMQ, JMS, Event-Driven Systems

Cloud & DevOps: AWS (EC2, Lambda, RDS, CloudWatch, Terraform), Docker, Kubernetes, OpenShift, Jenkins, CI/CD

Databases: PostgreSQL, MySQL, Oracle, Cassandra, Redis

Frontend: JavaScript, Next.js, Angular, React Native

Security: OAuth2, TLS/SSL, SSO, CSP, CORS

Monitoring & Observability: Datadog, Dynatrace, ElasticSearch, Splunk,

PROFESSIONAL EXPERIENCE

SYNERGIEGLOBAL | (January 2026 – Present)

Infrastructure Engineer

Tasks Performed:

- Manage and optimize AWS production infrastructure, ensuring high availability, performance, and cost efficiency across services (EC2, EKS, RDS, S3, VPC, CloudWatch).
- Operate and maintain Kubernetes (EKS) clusters, including upgrades, add-on management (CoreDNS, VPC CNI), and troubleshooting deployments and pod-level issues.
- Lead incident response and infrastructure support, acting as primary contact for production issues, monitoring, and reliability improvements.
- Perform system administration and patching across Linux and Windows Server environments, including IIS configuration and security compliance.

Technologies Used: AWS (EC2, EKS, S3, RDS, VPC, CloudWatch), Kubernetes, Docker, Terraform, Linux, Windows Server, IIS, Jenkins, Datadog

IMS VENTURES | (August 2024 – Jan 2026)

Senior Backend Engineer

Tasks Performed:

- Develop and monitor the Airtime Credit Service (ACS) to enable real-time performance tracking and quick issue resolution for Pop-up and In-call advances.
- Implement FairPay REST APIs and mobile integrations to streamline digital wallet transactions and automate support operations.
- Support production incidents, root-cause analysis, and on-call escalation workflows.
- Optimize infrastructure scalability and observability to reduce operational costs and improve reliability.

Technologies Used: Java , Spring Boot, RESTful APIs, PostgreSQL, AWS EC2, AWS CloudWatch, React Native, AWS Lambda

SAFARICOM PLC | (May 2021 – July 2024)

Senior Software Engineer

Tasks Performed:

- Developed microservices-based APIs for Meta-to-M-Pesa integrations, supporting distributed event streaming and high-availability payout services.
- Designed and implemented the Bill Manager platform, integrating over 5,000 billers and improving payment process reliability.
- Provided technical guidance to junior engineers on Java, Spring Boot, and Agile practices to standardize development workflows.
- Built and maintained the M-Pesa Payments Enterprise Portal, automating key support tasks and improving operational efficiency.
- Refactored TIBCO-based systems into Spring Boot microservices, reducing latency and simplifying system maintenance.
- Implemented CI/CD automation with Jenkins and Kubernetes to improve release frequency and system stability.
- Supported configuration updates for mobile money systems during the COVID-19 period, ensuring performance consistency under increased load.

Technologies Used: Java EE, Spring Boot, Microservices, RESTful APIs, Kafka, RabbitMQ, PostgreSQL, MySQL, Cassandra, Jenkins, Kubernetes, OpenShift, Oracle, Angular, WebLogic

SAFARICOM PLC | (Feb 2019 – Apr 2021)

Software Engineer

Tasks Performed:

- Developed and maintained payment infrastructure using Spring Boot microservices and RESTful APIs to support large-scale transaction systems.
- Enhanced Visa integration services by optimizing SQL queries and API performance within Kubernetes based deployments.
- Implemented cross-border Internet Money Transfer (IMT) services, improving data flow and system synchronization across partner networks.
- Supported Overdraft (OD) credit assessment workflows by designing database queries and monitoring logic to ensure reliable processing.
- Collaborated with product and infrastructure teams to ensure secure, compliant, and high-availability system operations.

Technologies Used: Java EE, Spring Boot, RESTful APIs, PostgreSQL, MySQL, Kubernetes, Oracle, TIBCO, SQL

ECLECTICS INTERNATIONAL | (June 2017 – January 2019)

Software Engineer

Tasks Performed:

- Developed and deployed banking microservices using Spring Boot and RESTful APIs to enhance transaction reliability and scalability.
- Implemented integrations for PESALINK, NHIF, and NCC systems using Oracle and RabbitMQ to support real-time fund transfers.
- Automated loan repayment workflows through optimized database queries and message queues to improve processing accuracy.
- Designed and delivered a Cardless ATM Withdrawal feature supporting secure cashless access via RESTful APIs and enterprise service bus architecture.

Technologies Used: Java, Spring Boot, RESTful APIs, Oracle, PostgreSQL, RabbitMQ, SOAP, ESB, React

PERSONAL PROJECTS – 2024

Resume Screening AI – Intelligent Resume Screening System

- Built an NLP-powered resume parser using BERT.
- Automated candidate scoring and ranking workflows.
- Created a React dashboard for recruiter insights.

MedTrackRx – Medical Records & Prescription Tracking System

- Developed secure medical record management system.
- Implemented automated alerts for refills, drug interactions.
- Built dashboards for patient insights and analytics.

NexaBank – Automated Banking System

- Banking backend supporting accounts, transfers, loan processing, and audit trails.
- Implemented transactional consistency, RBAC, and encryption.
- Added AWS-based monitoring and notifications.

EDUCATION

Master of Science in Computer Science (August 2024 – Present)

University in Fairfield, IA

Bachelor of Science in Computer Science (2014 – 2017)

University in Nyeri, Kenya