Edmund Chege

Software Engineer | edmundshege@gmail.com | +254 729835747

Profile

Software Engineer with hands-on experience designing and optimizing business functions through technology. Able to translate objectives into distributed architectures, applying platform thinking, cross-functional leadership and data-driven governance to monitor and scale high-performance services. Focused on improving application delivery, with automation, performance and security.

Skills

Code & Integration: C#, Typescript, Java, REST, Kafka, iPaaS

Platform & Automation: AWS/Azure, Kubernetes, Docker, Terraform

Methodologies: GitOps, Agile/Scrum, Shift-Left Security, CI/CD

DevSecOps: Cloud Native Patterns, Containerization, Security Engineering

Frameworks & Standards: TOGAF, ITIL, Agile (Scrum), Event-driven / Service-oriented architecture

Business Alignment: Cost Optimization, Risk Management, Vendor Evaluation

Experience

Platform Engineer – Consultant. **05/2024 - Present**

- Led stakeholder workshops to define business intelligence requirements, then implemented a scalable data ingestion platform that transformed market data into actionable analytics.
- Deployed UiPath automation to orchestrate multi-step data collection and verification, eliminating manual input sequences and accelerating end-to-end user onboarding and service fulfillment.

Software Engineer II - Griffins Global Technologies **11/2023 – 04/2024**

- Led migration of a Java monolithic application to microservice architectures with React and Nest JS, accelerating time-to-market for new features and reducing incident recovery by 50%.
- Owned CI pipelines operations by integrating security (SAST, SCA, DAST) and load testing workflows, enabling feedback loops through proactive vulnerability detection and performance monitoring.
- Collaborated on Incident Response procedures to contain and recover from identity access compromise by rotating credentials and access controls supporting business continuity efforts.
- Architected event-driven microservices using TypeScript, .NET and Kafka, designing integration patterns between systems that improved throughput and resilient transaction processing under high load.

Software Engineer II - Riverbank Solutions Limited. **09/2022 - 09/2023**

- Co-developed success criteria with product teams prior to release, linking feature goals to measurable business KPIs which resulted in a 25% reduction in rollbacks.
- Developed and deployed a cryptocurrency trading platform with adaptive scaling to achieve <100ms latency and 99.99% uptime SLAs, a driving factor for user adoption & retention.
- Led to the adoption of GitOps workflows, establishing a code review process for changes that eliminated configuration drift and streamlined compliance audits by 100%.

Software Engineer I - Tracom Services Limited. **03/2021 - 09/2022**

- Optimized model schema design for multi-tenancy on Oracle Server, implementing country-specific tenant isolation and indexing to ensure compliance with regional data sovereignty requirements.
- Supported organizational directives for compliance by embedding network policies and security baselines into Kubernetes cluster configurations, enabling deployment of 15+ banking microservices.
- Conducted data-driven performance analysis to diagnose failure modes in payment gateways, producing actionable recommendations that improved service reliability and capacity handling.
- Contributed to project documentation including solution blueprints, root cause analyses and integration designs ensuring auditability of processes & operational readiness.

IT Support - Acuhomes Company Limited **05/2019 - 03/2021**

- Managed and optimized server infrastructure by implementing resource allocation strategies, ensuring platform availability for critical business operations.

Education

Multimedia university of Kenya
BSc Applied Optics and Lasers

Projects

DevSecOps Fusion Platform - (.NET, gRPC, distributed services)

- Developed .NET-based microservices with gRPC connectors for topology synchronization, enabling real-time policy adherence and system visibility across the DevSecOps lifecycle.

Impact: Enabled shift-left actions by providing teams with contextual, actionable feedback linked to specific application components.

End-to-End Infrastructure Root Cause Analysis - (Gateways, Kubernetes, Bare metal)

- Architected a multi-tier remediation spanning bare metal infrastructure and service application layers, resolving latency degradation through storage & workload isolation.

Impact: Optimized production performance, eliminating user interface lags and latency incidents caused by storage burst credit depletion ensuring consistent service performance and operational baselines.

AIOps for Predictive Incident Management - (Prometheus, Grafana, Python, AI, ML)

- Built an intelligent observability framework combining metrics, ML-based anomaly detection and automated alerting for CI/CD pipelines.

Impact: Improved visibility through proactive detection of performance issues, improving disaster recovery readiness and reducing incident frequency.

Hospitality Integration & Middleware Platform - (Python, FastAPI, PostgreSQL, Apache Camel)

- Designed and developed a middleware platform enabling seamless integration between property systems, travel agencies and internal booking tools to support reservations and guest schedules across resort properties.

Impact: Unified & integrated business layers, streamlining operations, reduced data silos and improved guest experience through automation and system interoperability.