Missie Kahsay

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PROFESSIONAL SUMMARY

AWS Certified Software Engineer with 7+ years building and scaling cloud-native enterprise systems. Expert in Java, Spring Boot, Node.js, and AWS with a proven record of modernizing monoliths into microservices, cutting cloud spend by 20–35%, and delivering 99.99% uptime. Skilled in architecting distributed systems, DevOps automation, and driving performance at scale.

TECHNICAL SKILLS

- **Languages & Core:** Java, JavaScript, TypeScript, SQL, Bash
- **Backend & Architecture:** Spring Boot, J2EE, Node.js, REST APIs, GraphQL, WebSocket, Microservices, Domain-Driven Design, Event-Driven Systems, Concurrency
- **Frontend & UI:** React.js, Angular, Redux, HTML5, CSS3, Bootstrap, Material-UI
- **Databases:** PostgreSQL, MySQL, Oracle, MongoDB, DynamoDB, Redis, Aurora, Elasticsearch, Hibernate/JPA
- **Messaging & Streaming:** Apache Kafka, RabbitMQ, JMS, Amazon SQS/SNS
- **Cloud & DevOps:** AWS (Lambda, EC2, S3, RDS, DynamoDB, ECS, EKS, API Gateway, CloudFront, CloudFormation, IAM), Docker, Kubernetes, Terraform, GitHub Actions, Jenkins, GitLab, Azure DevOps
- **Testing & Quality:** JUnit, Mockito, Selenium, Jest, REST Assured, Swagger/OpenAPI, TDD
- **Monitoring & Observability:** Prometheus, Grafana, AWS CloudWatch, Splunk, Datadog, ELK Stack, Zipkin

PROFESSIONAL EXPERIENCE

MK Cloud Solutions   Houston, TX, USA
Founder & Software Engineer   Sept 2024 – Present

- Built Spring Boot + Kafka event-driven pipelines on AWS, processing 100K+ events/day for real-time analytics.
- Delivered secure multi-tenant APIs (OAuth2/JWT, RBAC) serving 50K+ users with zero breaches.
- Built workflow-driven booking and messaging platforms with Lambda, DynamoDB, and WebSockets under 200ms latency.
- Automated CI/CD with GitHub Actions + Docker, reducing deployments from 2 hours to 15 minutes with zero downtime.
- Reduced AWS costs by 20%+ via rightsizing, autoscaling, and system performance tuning.
- Standardized infrastructure with Terraform, enabling compliant and rapid provisioning across environments.
- Led architecture reviews to align design decisions with scalability, performance, and security best practices.

Aelaf Technologies   Remote
Software Engineer   June 2022 – Sept 2024

- Transformed legacy monolith into containerized AWS microservices, reducing infra costs by 35% and boosting scalability.
- Engineered workflow automation and Kafka APIs to streamline order fulfillment and real-time communication.
- Implemented centralized authentication (Spring Security, OAuth2, JWT) securing 5+ enterprise applications.
- Streamlined CI/CD with Jenkins and Docker, cutting release cycles from weeks to hours.
- Maintained 99.9% uptime by implementing system observability dashboards with Prometheus, Grafana, and CloudWatch.

Infobits ICT Consultancy   Addis Ababa, Ethiopia
Full-Stack Web Developer   Aug 2017 – June 2022

- Delivered 30+ enterprise and government applications with Node.js and PostgreSQL.
- Built secure REST APIs and role-based dashboards for 10K+ users, improving data access and compliance.
- Increased quality assurance with Selenium + JUnit automation and rigorous peer code reviews.

EDUCATION

University of the People – Pasadena, CA, USA   B.S. in Computer Science | Nov 2018 – Dec 2022

CERTIFICATIONS

- AWS Certified Solutions Architect – Associate