Musadiq Ahmed

SOFTWARE DEVELOPMENT ENGINEER · FULL STACK DEVELOPER

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Education

VET (Vasavi Education Trust) *Bangalore, India*
DIPLOMA IN COMPUTER SCIENCE AND ENGINEERING *2014 – 2017*

DSCE (Dayananda Sagar College of Engineering) *Bangalore, India*
B.E. IN COMPUTER SCIENCE AND ENGINEERING *2017 – 2020*

Experience

Accenture *Bangalore, India*
SENIOR SOFTWARE ENGINEER *Jan. 2021 - Present*

- Owned and delivered a large-scale migration of job **notifications for 10,000+ technicians, architecting a real-time Kinesis event-streaming platform, integrating APNs for push notifications**, and implementing a flag-driven, scalable message-routing system to ensure low-latency and highly reliable delivery across all job lifecycle events.
- Designed and implemented the end-to-end Wi-Fi Pro upgrade feature, enabling users to activate higher internet speeds via MAC address provisioning through Arista external network endpoints, by developing scalable REST APIs with centralized exception handling, logging, and real-time monitoring, **supporting 1,800+ daily transactions with 95 percent production reliability**.
- Re-engineered Python-based DataLake scripts with **Kibana logging via Logstash**, automated retry mechanisms, and performance tuning, deploying via Docker containers, and **reducing execution time from 24+ hours to under 15 minutes** while improving long-term reliability and maintainability.
- Resolved critical UI timeout and performance bottlenecks by refactoring backend processing logic with type-based conditional filtering, **reducing API response time by 45 percent (36s → 18–20s)** and significantly improving user experience and system responsiveness.
- Designed and implemented a centralized Error Handling Framework **adopted by 60+ microservices**, standardizing exception handling and observability, enabling clear, actionable UI error messages, and significantly improving developer productivity, platform stability, and platform-wide debugging efficiency.
- Migrated **3+ microservices from Java to Kotlin from scratch**, exposing scalable external APIs and **integrating with 5+ REST and GraphQL services**, resulting in improved performance, code quality, and long-term maintainability.
- **Developed 2+ Kotlin microservices** from the ground up, consuming multiple REST and GraphQL APIs and implementing **Couchbase upsert-based** storage for high-throughput, scalable, and resilient data persistence.
- Built high-performance Python data-processing scripts using **Pandas DataFrames, PyMongo**, and datetime-based filtering to transform multi-event logs into structured, **analytics-ready CSV datasets** for downstream reporting and analysis.

Skills

Back-End Java, Kotlin, Python, JavaScript, Kinesis, Kafka, REST API, GraphQL API and SOAP API
Programming Java, Kotlin, Python
DevOps AWS, Docker, Concourse, Kibana, Cloud Foundry, Splunk, Jenkins
Database MongoDB, Couch-base, MySQL
Front-End Angular, React
Languages English, Hindi, Kannada

Honors & Awards

ACE Award, Honored for exceptional performance, engineering excellence, and consistent high-impact results.
Client Champion, Recognized for outstanding delivery, ownership, and high-impact contributions to critical business initiatives.
Tech Whiz, Recognized for technical excellence, innovative problem-solving, and high-impact contributions to backend systems and platform reliability.