

Bilal Ahmed

@ bilal.athaha@gmail.com |  LinkedIn |  GitHub |  Portfolio

SUMMARY

Backend engineer focused on building and evolving distributed systems. I have worked on platform-level improvements such as Kafka migrations, CI/CD enhancements, and service validation workflows to reduce production risk and improve developer velocity. My experience sits at the intersection of backend development and platform engineering, primarily using Java, Spring Boot, and AWS.

SKILLS

Languages: Java
Frameworks: Spring Boot, Dropwizard
Backend: REST APIs, Microservices, JPA, Hibernate
Databases: MySQL, PostgreSQL, MongoDB
Messaging: Kafka
Cloud: AWS (ECS, Lambda, S3, Cloudfront)
Monitoring: Splunk, Datadog, ELK
DevOps: Jenkins, Github Actions, Spinnaker, Docker
Developer Tools: Git/Github, Maven, Gradle, SonarQube

EXPERIENCE (8 YEARS, 2 MONTHS)

- IBS Software** Trivandrum, India
Lead Solution Engineer March 2024 - Present
 - Expedia - Reservation/Lodging/Payments** : Worked on core services in Expedia's Lodging, Reservation, and Payments platforms, focusing on security, observability, and platform modernization. Led key initiatives including EG Kafka migration, Left Shift enablement, CI/CD improvements, and Spring Boot microservice development using Java and internal tooling.
 - Led security and compliance initiatives by upgrading tech stacks and refactoring legacy code, improving service hygiene scores by 30–40% and achieving audit readiness across multiple services through standardized, audit-aligned checklists.
 - Established observability standards by building Datadog dashboards and proactive alerts for critical services, reducing mean time to detect (MTTD) by 40% and improving incident response efficiency across the platform.
 - Played a key role in the EG Risk Mitigation and Tech Debt initiative by migrating services from the Confluent Kafka platform to the internally maintained EG Kafka, authoring updates to streams, AVDLs, producer configurations, and consumer configurations—improving platform consistency and reducing operational complexity through internal tooling.
 - Engineered Left Shift validation by integrating automated quality gates into CI/CD pipelines and provisioning AWS EC2 environments via Spinnaker, reducing production defects by 25–30% and enabling earlier detection of service-level issues before staging and enhancing developer confidence.
 - Leveraged Spring Boot's microservices architecture to build modular and scalable components, allowing for easy integration of new features and updates.
 - Improved internal tooling and CI/CD workflows to streamline deployments and reinforce secure, scalable engineering practices.
- Trenser Technology Solutions** Trivandrum, India
Senior Software Engineer December 2021 - March 2024
 - Enlitic - Curie** : Contributed to a healthcare imaging platform focused on real-time diagnostics and data standardization. Integrated APIs by analyzing and extending DCM4CHE-based systems, enabling improved diagnostic workflows.
 - WESCO - ALM** : Designed backend components for Asset Lifecycle Management (ALM) systems supporting operations and asset tracking. It includes functionalities for sales, operations, and asset management.
 - Built IoT testing and administration software for medical device logistics, improving operational reliability.
- Ospyn Technologies Pvt Ltd** Trivandrum, India
Software Engineer January 2018 - December 2021
 - iAPS - File Management Portal** : Developed a file management portal using Java, JSP, and MySQL.
 - Led technology upgrades and migrations (Java, MySQL, Spring, Tomcat etc.,)

EDUCATION

- Anna University** June 2011 – May 2015
Bachelor of Engineering in Computer Science and Engineering