

Sharmila Bolikoppa Palakshappa

Senior Java/Go/C++ Backend Developer | Distributed Systems | Financial Platforms

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SUMMARY:

Results-driven Senior Backend Engineer with 9+ years of experience designing, developing, and scaling Java, Go, and C++ distributed applications across finance, healthcare, and ecommerce domains.

- Expertise in core Java, multithreading, data structures, algorithms, and design patterns with strong experience in SOA, Microservices, and Event-Driven Architectures.
- Skilled in middleware frameworks (Spring Boot, Hibernate, JPA) and streaming platforms (Kafka, Spark, JMS, RabbitMQ).
- Proven success in cloud-native development (AWS, GCP, Kubernetes, Docker) and database systems (Oracle, PostgreSQL, MySQL, Cassandra, MongoDB, Elasticsearch).
- Adept at building highly scalable, low-latency distributed systems with strong problem-solving and customer-focused delivery in Agile environments.
- Hands-on with GoLang microservices and modernizing legacy C++/Java apps into modular, resilient systems.

TECHNICAL SKILLS

Languages: Java (11+), GoLang, C/C++, Python, PHP, JavaScript, Node.js

Frameworks/Tools: Spring Boot, Spring Batch, JPA/Hibernate, JUnit, REST, SOAP, Microservices, gRPC, Protobuf, Jenkins, Git, Maven, Kubernetes, Docker, Service Mesh

Cloud: AWS (EC2, EBS, S3, RDS, Lambda, CloudWatch), GCP (Dataproc, Spanner, BigQuery, Pub/Sub, CloudRun), Azure (AKS)

Messaging/Streaming: Kafka, JMS, ActiveMQ, RabbitMQ, Spark Streaming

Databases: Oracle, MySQL, PostgreSQL, Sybase, Cassandra, MongoDB, Elasticsearch

Other: CI/CD, Grafana, Splunk, Prometheus, Terraform, Agile (Scrum, TDD, Pair Programming)

WORK EXPERIENCE

Walmart – Senior Software Engineer

Oct 2024 – Present | Sunnyvale, CA

- Designed **Spark + Kafka pipelines** on GCP Dataproc, boosting throughput by **30%** and reducing operational delays by **25%**.
- Developed **custom Kafka encoders** for efficient partitioning and real-time data ingestion into **Cassandra + Elasticsearch**.
- Built **Reactive Java REST APIs** for Marketplace Offer, Price, and Inventory feeds, publishing to Kafka clusters for high-volume streaming.
- Deployed and scaled **microservices in Kubernetes (Azure + GCP)** for distributed workloads.

Intuit – Software Engineer II

Jul 2022 – Sept 2024 | Mountain View, CA

- Engineered **real-time data sync in GoLang**, driving **7x adoption** and **3x conversion rates** for Mailchimp integrations.
- Designed and launched **self-service onboarding platform (IDPS)**, cutting onboarding time from **3 days → 20 minutes**.
- Led enhancements to **QBO Data Sync Service** (cursor-based pagination), eliminating **40% sync failures** and reducing on-call load by **95%**.

- DRI for **Wix e-commerce integration**, designing referral flows that increased Mailchimp signups by **500–1000 accounts**.
- Built and deployed **Spring Boot microservices** on AWS (EC2, Docker, S3), with automated CI/CD pipelines in Jenkins.

Berkeley Lab – Software Engineer Affiliate

Aug 2021 – May 2022 | Berkeley, CA

- Applied **machine learning algorithms (TensorFlow, Keras)** to predict seismic activity from fluid injection datasets.
- Developed backend services in **Java 11 + Spring Boot**, integrated with **Kafka + MongoDB**, deployed on **AWS EC2 + Docker**.
- Built **Splunk dashboards** and logging pipelines for real-time monitoring.

PwC – Java Developer

Feb 2019 – Mar 2020 | Bangalore, India

- Migrated **C++ legacy services to Java microservices** deployed on AWS.
- Designed and developed **Spring Boot REST APIs** and implemented **Hibernate ORM** with Oracle and Cassandra.
- Built Kafka adaptors and **notification microservices**, enabling scalable real-time messaging.
- Deployed services on **Kubernetes** with CI/CD pipelines in Jenkins.

Cerner Healthcare – Java Developer

Jun 2017 – Dec 2018 | Bangalore, India

- Migrated **C++ → Java services** and developed healthcare microservices with Spring Boot, JTA, and REST APIs.
- Deployed microservices in **Pivotal Cloud Foundry and AWS ECS**, integrated Kafka for event-driven flows.
- Built **Angular-based UI components** for healthcare dashboards.

Accenture – Java Developer

Aug 2015 – May 2017 | Bangalore, India

- Modernized **legacy Java monoliths into Spring Boot microservices**, deployed on AWS Lambda & Kubernetes.
- Integrated **Kafka + RabbitMQ** for distributed messaging.
- Built **REST APIs and microservices** with Spring Cloud + Netflix OSS stack (Eureka, Ribbon, Hystrix).
- Developed and maintained **SQL/NoSQL backends** (Oracle, MongoDB, Cassandra).

EDUCATION

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| • California State University, East Bay | Hayward, CA |
| Master of Science in Computer science Engineering. GPA: 4.0 | Aug. 2020 – May. 2022 |
| • M S Ramaiah Institute of Technology | Bangalore, India |
| Bachelor of Engineering in Electronics and Communication. GPA: 9.4/10 | Sep. 2011 – Jun. 2015 |

ACHIEVEMENTS / AWARDS

- **Pathbreaker 2021 Intern Award - Cohort 4 (Berkeley Lab)**

Granted: July 2021

Received scholarships during the academic year 2021 and summer. Also got the opportunity to participate in a research project part-time @Berkeley lab during the 2021 academic year and full-time during the summer.