## SUMMARY:

Sharmila Bolikoppa Palakshappa

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

Milpitas, CA | 669–294–6448 | [sharmilamsr9@gmail.com](mailto:sharmilamsr9@gmail.com) | <https://www.linkedin.com/in/sharmila-bp-79271084/>

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

* **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.