**Sharmila Bolikoppa Palakshappa**

**Senior Backend Developer | C++ | Go | Java | Distributed Systems  
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**SUMMARY**

Results-driven Senior Backend Engineer with 10 years of experience building and modernizing **C++ and Go distributed applications** across financial, healthcare, and e-commerce domains.

* C++/Go Expertise: Developed GoLang microservices for real-time data sync and high-volume pipelines; modernized C++ legacy systems into modular Java microservices on cloud.
* Skilled in low-latency, performance-sensitive backend modules, multithreading, algorithms, and distributed system design.
* Hands-on in event-driven architectures (Kafka, JMS, RabbitMQ) and cloud-native deployments (AWS, GCP, Kubernetes, Docker).
* Proven success in scaling pipelines and microservices with a customer-first approach in Agile environments.

**TECHNICAL SKILLS**

**Languages:** GoLang, C/C++, Java (11+), Python, PHP, JavaScript, Node.js  
**Frameworks/Tools:** Spring Boot, Microservices, gRPC, Protobuf, REST, SOAP, JUnit, Jenkins, Git, Maven, Kubernetes, Docker, Service Mesh  
**Cloud:** AWS (EC2, Lambda, S3, RDS, 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 (GoLang/Kafka Pipelines)**  
Oct 2024 – Present | Sunnyvale, CA

* Built and scaled GoLang + Kafka pipelines for Marketplace Offer, Price, and Inventory feeds, enabling high-volume real-time data streaming.
* Designed Spark + Kafka pipelines on GCP Dataproc, boosting throughput by 30% and reducing latency by 25%.
* Developed custom Kafka encoders for efficient data ingestion into Cassandra + Elasticsearch.
* Deployed and scaled microservices in Kubernetes (Azure + GCP) for distributed workloads.

**Intuit – Software Engineer II (GoLang Backend Services)**  
Jul 2022 – Sept 2024 | Mountain View, CA

* Designed and implemented GoLang backend services for real-time Mailchimp data synchronization, driving 7x adoption and 3x conversion rates.
* Built a GoLang-based onboarding platform, reducing onboarding time from 3 days → 20 minutes.
* Enhanced QBO Data Sync Service with Go cursor-based pagination, cutting 40% sync failures and reducing on-call load by 95%.
* Delivered Wix e-commerce referral flows, increasing Mailchimp signups by 500–1000 accounts.
* Built and deployed Spring Boot microservices on AWS with CI/CD pipelines in Jenkins.

**Berkeley Lab – Software Engineer Affiliate (Java + Cloud Systems)**  
Aug 2021 – May 2022 | Berkeley, CA

* Developed backend services in Java 11 + Spring Boot, integrated with Kafka + MongoDB, deployed on AWS EC2 + Docker.
* Applied machine learning models (TensorFlow, Keras) to seismic datasets for predictive analytics.
* Built Splunk dashboards and monitoring pipelines for real-time event tracking.

**PwC – Software Engineer (C++ Migration & Java Microservices)**  
Feb 2019 – Mar 2020 | Bangalore, India

* Migrated C++ legacy services into Java microservices deployed on AWS.
* Built Kafka adaptors and notification microservices enabling real-time messaging.
* Designed REST APIs with Spring Boot + Hibernate ORM on Oracle and Cassandra backends.
* Automated deployments using Kubernetes with Jenkins pipelines.

**Cerner Healthcare – Software Engineer (C++/Java Healthcare Systems)**  
Jun 2017 – Dec 2018 | Bangalore, India

* Contributed to healthcare applications with performance-sensitive C++ modules and migrated legacy services to Java microservices.
* Built APIs with Spring Boot + REST, deployed in Pivotal Cloud Foundry and AWS ECS.
* Integrated Kafka for event-driven data flows and developed Angular-based UI dashboards.

**Accenture – Software Engineer (C++/Java Enterprise Systems)**  
Aug 2015 – May 2017 | Bangalore, India

* Worked on enterprise system enhancements in C++, maintaining backend components for large-scale applications.
* Modernized legacy Java monoliths into Spring Boot microservices, deployed on AWS Lambda & Kubernetes.
* Integrated Kafka + RabbitMQ for distributed messaging across systems.

**EDUCATION**

**California State University, East Bay – Hayward, CA**  
M.S. in Computer Science Engineering, GPA: 4.0 (2020 – 2022)

**M. S. Ramaiah Institute of Technology – Bangalore, India**  
B.E. in Electronics and Communication, GPA: 9.4/10 (2011 – 2015)

**ACHIEVEMENTS**

* **Pathbreaker 2021 Intern Award – Berkeley Lab** (Cohort 4)
* Research scholarship recipient (2021) with opportunity for full-time research contribution at Berkeley Lab.