Srinivas Murthy

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Location: San Jose, CA | Open to Hybrid / Remote

PROFESSIONAL SUMMARY

Principal Software Engineer with 15+ years of experience designing and delivering large-scale backend systems, microservices, and distributed platforms. Specialized in cloud-native architectures on AWS using Java, Spring Boot, Kafka, and Elasticsearch. Proven success in performance optimization, system re-architecture, and event-driven/data-intensive solutions. Strong leadership in cross-functional engineering teams and production-grade scalability, availability, and reliability improvements.

CORE COMPETENCIES

- Backend Architecture & Development (Java, Spring Boot, Scala)
- Cloud Platforms (AWS – ECS, Lambda, EMR, RDS, S3, DynamoDB)
- Microservices Design & RESTful APIs
- Distributed Systems & Event-Driven Architecture
- Kafka, Elasticsearch, Solr, JMS
- CI/CD, DevOps, Docker, Kubernetes, IaC
- Data Modeling: Postgres, MySQL, Couchbase, DynamoDB
- Caching: Hazelcast, Redis, Memcached
- Agile Development, SDLC, Testing
- Technical Leadership & Mentorship

TECHNICAL SKILLS

- Languages: Java, Scala, C++, Python (basic), Ruby (testing), Jython
- Cloud: AWS (ECS, EMR, Lambda, RDS, S3, DynamoDB), Docker
- Frameworks/Tools: Spring Boot, Hibernate, Dropwizard, Quartz
- Streaming/Messaging: Kafka, JMS
- Databases: Postgres, MySQL, Oracle, DB2, DynamoDB, Couchbase
- Search Engines: Elasticsearch, Solr, Lucene
- Caching: Hazelcast, Memcached
- DevOps: Git, Jenkins, Bluemix, SoftLayer, Linux

Career Highlights

Zscaler – *Senior Staff Software Engineer*

- Re-architected AutoSegmentation into scalable cloud-native microservices, improving performance and efficiency.
- Delivered real-time event pipelines enhancing trust metrics for Zero Trust solutions.
- Implemented multi-tenant, secure microservices powering branch and IoT cloud connectivity.

- Rearchitecting Zscaler Resource Adapter layer, provided gains of up to 3200% with adaptation of sound reactive engineering practices

Happy Money – *Staff Software Engineer*

- Led backend architecture for a fintech marketplace platform deployed on AWS.
- Optimized data ingestion and queries across Postgres, DynamoDB, and Elasticsearch.

Socotra – *Principal Platform Engineer*

- Built a Premium Reporting platform for large-scale insurance analytics.
- Partnered with product and customer teams for seamless rollouts.

IBM & Risk Management Solutions

- Delivered Spark-based risk modeling pipelines and REST APIs for data-intensive enterprise systems.
- Achieved massive performance gains (1500% improvement) in enterprise SaaS data export frameworks, provided SLA gains by several fold implementing a memcached based caching layer

EXPERIENCE

Zscaler
Senior Staff Software Engineer
San Jose, CA | Aug 2022 – Present

- Designed and led implementation of AutoSegmentation backend platform, re-architected from a legacy UI-focused system into scalable cloud-native microservices.
- Built secure, multi-tenant microservices with Spring Boot, Kafka, and Elasticsearch, improving scalability and efficiency across AWS environments.
- Deployed containerized apps using ECS, improving uptime and deployment automation.
- Implemented real-time streaming/event pipelines to improve trust metrics for ZTE product features.
- Implemented the control plane, configuration and bootstrapping tiers of Branch and Cloud Connectors that provide Zero Trust Enablement to branches and IOT devices in Zscaler Cloud
- Managed cloud persistence using Postgres on RDS.

Happy Money
Staff Software Engineer
Remote | Jun 2021 – Jun 2022

- Led backend architecture and full lifecycle development for fintech marketplace platform.

- Built production-ready services (Java, Spring Boot, Kafka) deployed on AWS ECS.
- Optimized Postgres, DynamoDB, and Elasticsearch for faster data ingestion/queries.
- Supported Django-based frontend with enhancements and fixes.

Socotra
Principal Platform Engineer
San Francisco, CA | Jan 2020 – May 2021

- Delivered Premium Reporting platform for insurance clients (Java, Dropwizard, MySQL, AWS).
- Designed API-driven backend systems for large-scale analytics workloads.
- Partnered with product/customer teams for rollout success.

Risk Management Solutions (RMS)
Senior Software Engineer
Newark, CA | Sep 2018 – Dec 2019

- Built Spark-based pipelines in Scala/Java on AWS EMR for risk modeling apps.
- Integrated Jupyter Notebook for analytics on insurance datasets.
- Reduced computation time >25% via workflow tuning.

IBM Security Guardium
Senior Advisory Software Engineer
San Jose, CA | Dec 2017 – Aug 2018

- Built RESTful backend services for hybrid/on-prem deployments.
- Developed reusable UI frameworks and server-access components.

IBM Watson Search Insights
Backend Engineer (Contract)
San Mateo, CA | Aug 2017 – Sep 2017

- Delivered REST APIs for metadata management/indexing with Solr, Kafka, Couchbase on IBM Bluemix.

IBM DemandTec
Advisory Software Engineer
San Mateo, CA | Jan 2008 – Aug 2017

- Optimized enterprise data export framework, cutting time from 20 hrs → 25 min (1500% gain).
- Built caching, preference mgmt, and encryption for multi-tenant SaaS platform.
- Implemented task scheduling and backend infrastructure (Java, Spring, JBoss, DB2).

Early Career

- Dun & Bradstreet – Senior Java Engineer
- BellSouth (via Matrix/MDI) – Senior J2EE Engineer
- EPL Inc. – Product Architect
- Hewlett-Packard (via Ajilon) – J2EE Architect

EDUCATION & CERTIFICATIONS

- Bachelor of Engineering (Electrical Engineering), Bangalore University, India
- Sun Certified Java Programmer (SCJP)