

## Contact

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## Top Skills

Data & Messaging: Kafka, Redis, PostgreSQL, MongoDB, MySQL, ChromaDB, FAISS, Qdrant

Generative AI: GPT-4, Claude, LLaMA, LangChain, LlamaIndex, AutoGen, Pinecone, Weaviate, RAG, CoT

AI/ML

## Languages

English (Professional Working)

# Nagasiva Poluri

Technical Lead | Java | Spring Boot | Microservices | ReactJS | Angular | Python | FastAPI | Docker | Kubernetes | Terraform | OpenShift | AWS | Azure | GCP | Generative AI | AI Agents  
Singapore

## Summary

I am a results-driven Technical Lead & Full Stack Engineer with 12+ years of experience building scalable, secure, and AI-integrated applications across banking, insurance, telecom, transport, and energy sectors. I specialize in cloud-native microservices, Generative AI/LLMs, AI Agents, and full-stack platforms, delivering high-performance enterprise systems.

### # Engineering Expertise

Code reusability champion – built internal frameworks to reduce boilerplate

Expert in async programming using Java CompletableFuture and Python asyncio

Migrated multiple monolithic systems to Spring Boot/Kafka microservices

Designed low-latency, scalable apps with Redis, Hazelcast, and EhCache

CI/CD automation with Jenkins, GitHub Actions, ArgoCD, Terraform

Profiling & testing with JProfiler, JMeter, JUnit, Mockito, Cucumber

Hands-on across full stack: Java, Python, ReactJS, Angular, Go, Rust, TypeScript

### Generative AI & ML

Integrated GPT-4, Claude 3, LLaMA 2/3, Mistral, Cohere, Gemini in enterprise apps

Built GenAI workflows using LangChain, LlamaIndex, AutoGen, CrewAI, Camel-AI, AgentLLM

Deployed RAG/ToT/BabyAGI agents using FastAPI, Ray Serve, ONNX, MLFlow

Vector DB expertise: Pinecone, Weaviate, Qdrant, FAISS, ChromaDB

TTS/STT: Whisper, ElevenLabs, Bark, Amazon Polly

#### Tech Stack Highlights

Languages: Java 21, Python 3.12, Go, Rust, Kotlin, TypeScript, Scala, Bash

Backend: Spring Boot, FastAPI, Flask, Django, NestJS, Gin, Fiber, Actix

Frontend: React 18, Angular 17, Vue 3, Next.js 14, Tailwind CSS, ShadCN

Cloud: AWS (Lambda, SageMaker, Bedrock), GCP (Vertex AI), Azure (OpenAI, ML Studio), OpenShift

DevOps: Docker, Kubernetes, Terraform, Jenkins, Helm, Vault, Prometheus, ELK, GitLab CI

Databases: PostgreSQL, MySQL, Oracle, MongoDB, Cassandra, Redis, CockroachDB

Streaming: Kafka, RabbitMQ, Redpanda, Pulsar

Security: OAuth2, JWT, TLS, Keycloak, Cognito, Azure B2C

Tools: IntelliJ, Git, Jira, Notion, Confluence, Postman, SwaggerHub

#### Domains

Banking: Credit Gateway, Wealth & Mobile Banking, UOB, BOS, OCBC

Insurance: Proposal flows, PayNow/eDDA (Singlife), NTUC Income

Telecom: Vodafone POS & billing

Smart Transport: LTA ERP2

DCIM: LifeNet, Trellis (Data Center Power Apps)

Always exploring AI-first systems that blend enterprise engineering with intelligent automation.

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## Experience

Bank of Singapore, Asia's Global Private Bank

10 months

Lead Technical Specialist

September 2024 - Present (10 months)

Singapore

Technical Lead

September 2024 - March 2025 (7 months)

Singapore, Singapore

UOB

Senior Release Engineer

January 2023 - September 2024 (1 year 9 months)

Singapore

Singlife

Technical Lead

September 2022 - January 2023 (5 months)

Singapore

OCBC Bank

Full Stack Developer

August 2021 - August 2022 (1 year 1 month)

Singapore

Banking Application Development

Income

Full Stack Developer

September 2020 - August 2021 (1 year)

Singapore

Insurance Application Dev

NCS Group

## Full-Stack Developer

August 2017 - August 2020 (3 years 1 month)

Singapore

ERP2 Application Development

## Maybank

Senior Software Engineer

December 2016 - July 2017 (8 months)

Malaysia

Banking Application with Insurance Integration

## COMMERCE DOT COM SDN. BHD.

Senior Software Developer

December 2014 - November 2016 (2 years)

Malaysia

B2B Application Development

## Emerson Network Power - Avocent

Senior Programmer

June 2011 - October 2014 (3 years 5 months)

India

Data Center Application Development

## BOB Tech Solutions

Software Engineer

April 2010 - March 2011 (1 year)

Pune, Maharashtra, India

Vodafone Telecommunication Application

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## Education

Sikkim Manipal University - Distance Education

Master of Business Administration - MBA, Finance & Sales · (2009 - 2011)

Anna University

Bachelor's degree, Electrical and Electronics Engineering · (2003 - 2007)