ASHISH NARANG

Java Architect | 18+ Years Experience | Cloud, Microservices, AI/LLM Integration

# Professional Summary

Seasoned Java Architect with over 18 years of experience designing, developing, and deploying enterprise-scale software systems and cloud-based architectures. Expert in Java, Spring Boot, and AWS-based microservices. Recently contributed to Large Language Model (LLM) integrations using GPT-based APIs and LangChain frameworks for intelligent automation, semantic enrichment, and contextual analytics. Strong background in leading technical design, mentoring engineering teams, and ensuring high-quality, scalable delivery.

# Technical Skills

* Languages: Java, JavaScript, HTML5, SQL, Scala
* Frameworks: Spring Boot, Spring MVC, Hibernate, JPA, Dropwizard, Angular, React
* Databases: PostgreSQL, MySQL, MongoDB, DynamoDB, Oracle
* Cloud & DevOps: AWS (Lambda, ECS), Docker, Kubernetes, Jenkins CI/CD, Terraform
* AI & LLM Tools: LangChain, GPT APIs, RAG, Vector Databases (Pinecone, FAISS)
* Messaging & Integration: Kafka, JMS, ActiveMQ
* Methodologies: Agile, Scrum, TDD, Lean

# Professional Experience

Project: SCA Platform, Registry Services

Client: Veracode Inc, USA

Duration: Sept 2024 – June 2025

Role: Technical Anchor

Technical Skills: Java, Spring Boot, PostgreSQL, AWS, Elasticsearch, React, Kubernetes, Docker, Helm Charts, GitLab Pipelines, GPT APIs, LangChain

Overview: Re-architecture of Software Composition Analysis (SCA) platform to identify and mitigate software supply chain risks. Introduced LLM-assisted automation for vulnerability data enrichment.

Responsibilities:

* Led the analysis and enhancement of the SCA registry module to register and manage critical vulnerability data used in software supply chain risk mitigation.
* Involved in Architecture of microservice-based modules ensuring scalability, high availability, and resilience across AWS infrastructure.
* Designed REST API endpoints to efficiently serve registry and vulnerability data to React-based UI components.
* Implemented LLM-based enrichment pipelines using GPT APIs and LangChain to summarize vulnerability descriptions and enhance search metadata.
* Led architecture discussions for registry orchestration and system integration, identifying and resolving performance bottlenecks.
* Collaborated with cross-functional teams to align AI workflows with enterprise-grade data governance and security protocols.
* Mentored junior engineers on microservice design, data modeling, and secure cloud deployment best practices.

Project: COD Migration, SP(Warranty) Migration

Client: Cinch US, USA

Duration: Mar 2024 – July 2024

Role: Technical Lead

Technical Skills: Java, Spring Boot, PostgreSQL, AWS, Angular 17, GPT APIs

Overview: Migration of existing warranty management systems with new modules incorporating LLM-based utilities for improving agent workflows and automating documentation.

Responsibilities:

* Planned and executed system migration from legacy Mendix platform to modern Spring Boot and Angular-based microservice architecture.
* Defined functional designs, work breakdown structures, and estimations for multiple migration phases under Agile methodology.
* Implemented core APIs for SP(Warranty) and COD modules, ensuring seamless data transformation and backward compatibility.
* Integrated GPT-based services to auto-generate summaries, classify warranty tickets, and enhance documentation accuracy.
* Developed semantic APIs for intelligent data lookup using LLM-based embeddings for improved search relevance and speed.
* Collaborated with product teams and architects to design AI-assisted workflows for internal support and knowledge retrieval.
* Contributed to DevOps pipeline improvements using Jenkins CI/CD integrated with AWS deployment environments.

Project: Rights Cloud

Client: Fadel Inc, USA

Duration: Mar 2023 – Feb 2024

Role: Technical Lead

Technical Skills: Java, Spring Boot, PostgreSQL, AWS, Jenkins CI, Angular 12

Overview: Developed and maintained a content and rights management platform managing millions of digital assets in a multi-tenant environment.

Responsibilities:

* Led microservice design for rights, content, and digital asset workflows integrated with AWS infrastructure.
* Mentored offshore teams on design and implementation best practices for distributed applications.
* Owned CI/CD setup using Jenkins pipelines and AWS-based deployments.
* Coordinated with the product management team to streamline release cycles and improve feature delivery efficiency.

# Earlier Experience (2000–2017)

* Technical Specialist – Mastek Ltd (2016–2017): Designed microservice-based solutions using Dropwizard and AWS.
* Technical Architect – Arrk Solutions (2013–2014): Developed enterprise SaaS platforms using Spring Web Services and Apache Spark.
* Technical Lead – Wipro Technologies (2005–2008): Delivered banking and financial projects for Lloyds and Barclays.
* Various roles in software design, development, and architecture across Retail, Banking, and Utilities domains.

# Education

* B.E. (Electronics), Mumbai University, 1999 – Thadomal Shahani College of Engineering
* Higher Secondary Certificate, V.G. Vaze College, Mumbai, 1995

# Certifications & Training

* Reactive Architecture – Lightbend Academy
* Hadoop and Spark Training – Mastek India
* Agile Methodologies, AngularJS, Liferay 6 – Mastek India
* Finance 101 – Wipro Technologies
* PL/SQL Training – SQLStar India