

# Nuril Hijas S

Chennai, Tamil Nadu | +(91)-9345934793 | nurilhijas@gmail.com | linkedin.com/in/nurilhijass

## PROFESSIONAL SUMMARY

Passionate **Senior Software Developer** with 5.5+ years of experience building scalable, efficient, and impactful software solutions that address real-world challenges. Proven ability to solve complex problems, align technology with business objectives, and collaborate effectively with cross-functional teams. Enthusiastic about continuous learning, innovation, and adopting emerging technologies to drive business success.

## TECHNICAL SKILLS

**Languages** : JAVA, Python, SQL (MySQL, Postgres, MongoDB, Couchbase), JavaScript

**Frameworks** : Spring Boot, Spring AI, Apache Airflow, MCP, Kafka, GRPC, Consul, React Native, Flask, and LLM.

**CI/CD** : Git, Docker, JIRA, BitBucket, Confluence, Liquibase, Swagger and Postman

**Cloud and Security Tools** : IBM API-Connect, AWS (KMS, Ec2, Lamda, S3, ML Model(Bedrock))

**Others** : SonarQube, Kibana, Jmeter, Agile (Scrum), Design Patterns

## EDUCATION

Rajalakshmi Institute of Technology

**B.Tech** | Information Technology

Aug 2016 – May 2020

## EXPERIENCE

**Senior Associate - Technology** | Vivriti Next Limited | Chennai, Tamil Nadu

Apr 2025 – Present

- Designed and developed a **No-Code workflow platform** POC enabling configurable workflow creation without programming, empowering non-technical users and accelerating product delivery.
- Architected and led the implementation of a **Kafka-based Service Bus** for scalable **event-driven microservices** communication, ensuring high throughput, reliability, and decoupled system design.
- Built a high-performance **Data Vault encryption platform** using **AWS Key Management Service (KMS)** for secure data and file encryption/decryption, implementing **dynamic vault-based database** provisioning and token storage architecture.
- Achieved **1,000 transactions per second (TPS)** in encryption/decryption workloads through optimized microservices architecture and performance-tuned processing pipelines.
- Delivered the **Service Bus system to production within one month**, maintaining **zero SonarQube issues**, and implemented **asynchronous processing, retry mechanisms, failure handling, and guaranteed message delivery**.
- Designed and implemented an **MCP Client-Server** architecture using Spring AI, enabling **metadata-driven tool orchestration** for secure and scalable enterprise AI integration.
- Introduced **AI-driven rule evaluation engine** for adaptive, context-aware workflow execution, improving automation accuracy and reducing manual validation errors.
- Implemented a **local caching strategy** and Keycloak Event Listener integrated with **AWS Lambda** to reduce **Keycloak authentication** overhead, enable real-time identity event handling, automate cache eviction, and improve overall system performance and response time.
- **Architecture Patterns**: Multi-Tenant, Tokenization, Hub-and-Spoke, MCP Client-Server, Metadata-Driven, Serverless, Distributed Systems, AI Integration

**Software Engineer** | Vivriti Next Limited | Chennai, Tamil Nadu

Feb 2024 – Mar 2025

- Led the design, development, and deployment of the API-Tower platform by successfully implementing **220+** live APIs across **20+** microservices, enabling a scalable and **loosely coupled architecture** with high availability, efficient inter-service communication, and reliable handling of business-critical transactions.
- Integrated API-Tower with downstream enterprise applications and managed the production environment, ensuring secure API communication, 99.9% availability, and stable performance for live APIs.
- Integrated **Consul** for dynamic service discovery and **IBM API Connect** for secure external API communication, enabling seamless microservice interactions and ensuring compliance with security standards.
- Developed and deployed a **custom JAR** to simplify and standardize microservice communication, reducing the complexity of integration.
- **Architecture Patterns** : High Availability, Service Discovery, Secure API, Inter-Service Communication, and Resilient.

**Software Engineer** | Vyshnavi Information Technologies Private Limited | Bangalore, Karnataka

Oct 2020 – Feb 2024

- Implemented **batch processing logic** to handle large volumes of records, ensuring data integrity and minimizing processing time.
- Implemented **Kafka producers and consumers** for efficient real-time data streaming and processing.
- Developed **modules** for flight booking, ticket cancellation, flight scheduling, seat availability tracking, fare calculation, and payment processing using Spring Boot and Java.
- Implemented the **Liquibase** framework for efficient database version control and schema migration.
- Developed **HRMS** application features with Workflow Management, including employee onboarding, leave management, attendance tracking, approval workflows, and role-based access control.
- **Architecture Patterns**: Microservice, Event Driven, Monolithic