

SELVAGANAPATHI PANDIYARAJAN

(Java Full Stack | Mean Stack | 4+year Experience)

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Profile Summary

- Full Stack Developer with 4+ years of experience building scalable web applications, RESTful APIs, and responsive user interfaces using Java 8, Spring Boot, Microservices, Angular, and Node.js.
- Strong backend and data expertise with hands-on experience in PostgreSQL and MongoDB, focusing on performance optimization, secure data handling, and high-availability systems.
- Cloud and DevOps expertise using Docker, Kubernetes, Jenkins, AWS/GCP cloud deployments, AWS services (Lambda, API Gateway, SNS, SQS), Terraform for infrastructure automation, and Dynatrace for monitoring and performance management.

Relevant Coursework

- Backend Microservices** -- Java 17, Spring Boot, Kafka, Redis
- Frontend Development** -- Angular (optimized UI state management)
- API Development** -- REST & GraphQL, Spring MVC, Node.js
- CI/CD & Containers** -- Docker, Kubernetes
- Cloud** -- AWS (EC2, S3), SNS, SQS
- Security** — JWT, OAuth2 authentication and authorization
- Agile Delivery** — Scrum ceremonies, code reviews, CI/CD collaboration

Experience

HTC Global Services – Software Engineer

Aug 2021 – Jun 2025

Client: Standard Chartered Global Banking

- Orion Digital Transaction Gateway:** Developed a high-volume global transaction processing platform for Standard Chartered Global Banking, supporting real-time banking operations, fraud detection, and cross-country remittance workflows. Built and optimized Spring Boot microservices and REST/GraphQL APIs, improving transaction throughput by 40%. Developed React-based dashboards for transaction monitoring and fraud analysis, reducing UI response time by 30%. Integrated Kafka streams and RabbitMQ queues to enable event-driven and asynchronous processing, cutting processing latency by 25%. Implemented JWT and OAuth2 for secure authentication and authorization, ensuring compliance with banking security standards. Enhanced system performance using Redis caching and Elastic Search indexing, improving query efficiency by 35%. Deployed containerized services on AWS EKS using Docker, Kubernetes, and Jenkins CI/CD pipelines, achieving 99.95% uptime, seamless scalability, and reliable releases.

Tools Used: Java | Spring Boot | Microservices | REST APIs | GraphQL | JWT | OAuth2 | Angular | Spring Batch | Hibernate | JPA | Kafka | RabbitMQ | Redis | Elastic Search | SQL | MongoDB | Docker | Kubernetes | Jenkins | Git | AWS

Client: Walmart Global Tech

Nexa OmniCommerce : Developed an end-to-end retail management suite enabling real-time inventory tracking, customer engagement, invoice automation, and order analytics across 600+ stores. Built a dynamic Angular UI with product catalogs, inventory dashboards, and order workflows. Designed Spring

Boot microservices for catalog and inventory management with REST APIs, Swagger-driven documentation, and OAuth2 security. Implemented Kafka event streaming for real-time stock synchronization and RabbitMQ for asynchronous customer notifications. Utilized MySQL and MongoDB for hybrid data persistence and optimized data access using JPA/Hibernate, improving query performance by 30%. Developed automated Excel-based reports using Apache POI. Deployed containerized services on Kubernetes with rolling updates and automated CI/CD pipelines using Jenkins and Git, ensuring scalability, reliability, and continuous delivery.

Tools Used: Angular | Java | Spring Boot | Microservices | REST APIs | Swagger | OAuth2 | Kafka | RabbitMQ | MySQL | MongoDB | JPA | Hibernate | Apache POI | Docker | Kubernetes | Jenkins | Git | JUnit | Mockito | Karma

Client: Allianz Global Insurance

Aegis Policy Intelligence Platform: Developed an enterprise-grade policy lifecycle management system for Allianz Global Insurance, supporting policy onboarding, claims automation, risk scoring, and POS partner integrations. Built a microservices-based architecture using Java and Spring Boot, improving policy processing efficiency by 35%. Designed an Angular-based UI for claims tracking and risk dashboards, reducing user response time by 30%. Implemented Kafka event pipelines and RabbitMQ messaging for event-driven workflows, reducing processing delays by 25%. Developed Spark-based risk computation pipelines, accelerating risk evaluation by 40%. Integrated Spring Batch and scheduler jobs to automate premium reminders and claim workflows, reducing manual intervention by 45%. Utilized Cassandra and MongoDB for scalable policy data storage. Deployed containerized microservices using Docker with automated CI/CD pipelines in Jenkins, improving release reliability and implementing Prometheus and Grafana monitoring to ensure high system availability and secure API access using JWT and API throttling.

Tools Used: Java | Spring Boot | Microservices | REST APIs | JSON | XML | Angular | Kafka | RabbitMQ | Spring Batch | Scheduler Jobs | Spark | MySQL | MongoDB | POS APIs | Docker | Jenkins | Prometheus | Grafana | JWT | JUnit | Mockito | Jest

Personal Project

- **E-Commerce Platform | Angular, Java, Spring Boot, JPA, PostgreSQL | [Link](#)**
Designed and developed a full-stack e-commerce application using Angular, Spring Boot, JPA Specifications, and PostgreSQL, featuring advanced search, filtering, and order management.
- **Timesheet Management System | Angular, Node.js, Express, PostgreSQL | [Link](#)**
Developed an internal timesheet management tool with CRUD operations and reporting dashboards to log employee working hours, track leaves, and streamline project tracking processes.
- **Red bus Clone | Angular, Node.js, Mongo DB | [Link](#)**
Built a functional clone implementing seat selection, booking workflows, and payment simulation to enhance full-stack proficiency.
- **Ticket Management System | Angular, Node.js, PostgreSQL | [Link](#)**
Designed a ticketing platform for support teams to track, assign, and resolve issues efficiently, improving resolution time and team collaboration.
- **Financial Management | Angular | [Link](#)**

Developed a modern financial dashboard application that provides secure login and delivers real-time investment insights with interactive charts, investor management, and downloadable reports.

- **Travel Management | Angular, Node.js, Mongo DB | [Link](#)**

Developed a travel booking application using Angular and Node.js, featuring flight and hotel search with country-based filters, daily price calendars, Leaflet map hotel locations, Razor pay payments, and secure user login.

Technical Skills

- **Frontend:** Angular, JavaScript, TypeScript, HTML, CSS, Bootstrap
- **Backend:** Java 8/11/17, Spring Boot, Node.js, Express.js, Microservices
- **Frameworks:** Spring MVC, Spring Data JPA
- **Web Services & APIs:** REST APIs, GraphQL,
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Cloud Platforms:** AWS (EC2, S3, RDS, Lambda, SNS,SQS)
- **DevOps & CI/CD:** Docker, Kubernetes, Jenkins, CI/CD pipelines
- **Version Control:** Git, GitHub, GitLab
- **Messaging & Streaming:** Apache Kafka, RabbitMQ
- **Build Tools:** Maven, Gradle
- **Monitoring & Logging:** Dynatrace
- **Tools & Collaboration:** Postman, JIRA, Confluence

Education Detail

Bachelor of Engineering – Electrical & Electronics

2015 – 2019 | **CGPA: 7.02**

K.L.N College of Information Technology Sivagangai, Tamil Nadu

Achievements & Certifications

Received **Bravo Award** for Q3 in 2024 | Completed AWS Foundation & Terraform Course on Linked In Learning

Interests

Gardening

Travelling

