

JITHINRAJ PEEDIKA

Full Stack Developer

Brussels, Belgium

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SUMMARY

Software Craftsman with 11+ years of experience delivering high-performance, scalable applications. Deep expertise in **Java (Spring Boot, Kafka, Kafka Streams)**, **Kotlin (Android, Jetpack Compose)**, and **React with TypeScript**. Strong advocate for **Clean Code**, **TDD**, **DDD**, and **SOLID** principles. Proven track record in **Kubernetes**, **Helm**, **CI/CD**, and operating within **AWS** and **Azure** multi-cloud environments. Comfortable working in **Agile/Scrum** teams, pairing with developers, and mentoring junior engineers.

Key highlights:

- **Java & Backend Mastery:** Expert in **Java** backend development (**Spring Boot, Kafka, Kafka Streams**), building scalable microservices for high-volume telemetry and data pipelines.
- **React & Frontend Excellence:** Strong **React** expertise with **Jest, React Testing Library**, and modern JavaScript, delivering high-quality, reusable UI components.
- **Kotlin & Android Development:** Proven experience with **Kotlin, Jetpack Compose, Material 3**, and **Android SDK**, following Google's design principles and guidelines.
- **Cloud & DevOps:** Strong **Kubernetes/OpenShift** and **Helm** experience, **CI/CD** pipelines (**Jenkins, Git**), **Docker**, and familiarity with **Elastic Stack** and **OpenTelemetry**.
- **Clean Code & TDD:** Committed to **Software Craftsmanship**, writing readable and maintainable code with strong **TDD** practices, refactoring, and pair programming.

EDUCATION

Bachelor of Technology in Computer Science and Engineering

University of Calicut

EXPERIENCE

FULL-STACK DEVELOPER / SOLUTION DESIGNER – Official SNCB Mobile App

Sept 2019 – Present

YPTO – NMBS/SNCB, Brussels, Belgium

- Translated requirements into high-quality code across **Java, Kotlin**, and **React**, designing and building maintainable, high-performance applications following **Clean Code** and **SOLID** principles.
- Developed scalable backend microservices using **Java (Spring Boot, Spring MVC)**, **Kafka** (producer/consumer, **Kafka Streams**), and **TypeScript/Node.js** for event-driven architectures and real-time data processing.
- Built modern frontend applications using **React, TypeScript, Jest**, and **React Testing Library**, ensuring high code quality, reusability, and responsiveness.
- Designed and documented **RESTful APIs** and **GraphQL** endpoints, connecting backend services with external data sources and 3rd-party APIs.
- Developed native Android components using **Kotlin, Jetpack Compose**, and **Material 3**, following Google's Android design principles and integrating with **React Native** via native bridges.
- Applied **Test Driven Development (TDD)** extensively, writing unit and integration tests with **JUnit, Mockito, Jest**, ensuring robust test coverage and code reliability.
- Implemented **CI/CD** pipelines using **Jenkins, Git, Azure DevOps, SonarQube**, and **Fortify**, deploying containerized applications to **Kubernetes** clusters with **Helm**.
- Collaborated with cross-functional teams in **Agile/Scrum** environments, participating in pair programming, sprint planning, and code reviews to ship new features efficiently.
- Identified and corrected bottlenecks, performed refactoring, and optimized database queries (**PostgreSQL, Redis**) to ensure best possible performance and responsiveness.
- Mentored junior developers, conducted technical design discussions, and contributed to development best practices.

within a large team of developers.

- Leveraged **Docker**, **Kubernetes**, and **Helm** for containerization and orchestration, managing deployments across **AWS** and **Azure** multi-cloud environments.

BACKEND DEVELOPER – JAVA

Sep 2017 – Oct 2019

Starbucks Corporation, Seattle, WA

- Designed and built high-performance **Java** microservices using **Spring Boot**, **Spring Framework**, and **Maven**, following **Clean Code** and **SOLID** principles.
- Developed **RESTful APIs** using **Core Java**, **Spring**, and **Apache CXF** to integrate legacy systems with the JDA workforce management platform.
- Implemented data pipelines and ETL processes for scheduled extraction, transformation, and loading, ensuring data accuracy and consistency.
- Managed **Azure** cloud configuration, improving scalability, security, and reliability of middleware services.
- Applied **Test Driven Development (TDD)** and comprehensive testing with **JUnit** and **Mockito** to ensure code reliability and maintainability.
- Operated services within large on-premises infrastructure, troubleshooting distributed systems and improving performance and responsiveness.
- Collaborated with remote teams and participated in system architecture discussions, influencing long-term technical direction.

SOFTWARE ENGINEER – JAVA

Jul 2014 – Aug 2017

Consorsbank, Germany

- Developed server-side components using **Core Java**, **Spring Framework**, and **Apache CXF** for financial applications, following **Clean Code** principles.
- Implemented **RESTful APIs** and data integration flows to support real-time transaction processing and customer data synchronisation.
- Assisted in setup and configuration of **Diffusion** servers on **Linux** for high-availability, low-latency communication.
- Applied **TDD** practices and participated in comprehensive code reviews, contributing to **Java** development best practices.
- Collaborated with cross-functional teams in **Agile/Scrum** environments to define technical requirements and ensure alignment with business goals.
- Supported ongoing enhancements including performance optimisation, defect resolution, and refactoring legacy code.

PERSONAL PROJECTS

Alexa Skill – Brussels Travel Information (STIB)

- Developed a serverless Alexa skill using **AWS Lambda** and **Node.js** to provide real-time public transport updates for the STIB network in Brussels.
- Implemented **REST** endpoints for real-time arrival information for buses, trams, and metro services.
- Integrated location-based services to detect nearest stops and supported natural language queries for specific lines and stops.
- Optimised response times and managed state persistence for fast and accurate answers; published on the Amazon Alexa Store with positive feedback.

Smart Restaurant App – Al Ain, UAE

- Built an Android app using **Android SDK** and **Java** to simplify restaurant order management for waitstaff.
- Implemented backend services using **Spring Boot** and **MySQL** for real-time order processing and KOT generation.
- Improved operational efficiency through real-time order tracking and low-latency data synchronisation.

Inventory Management App – Windows NT Mobile Platform

- Developed an inventory management app using **Microsoft C# .NET** for Windows NT Mobile with barcode scanner integration.
- Implemented offline-first sync logic and batch processing to keep server data consistent after reconnection.

SKILLS

Backend Development (Primary Focus)

Java (Spring Boot, Spring Framework, Spring MVC, Core Java), **Kotlin**, **Maven**, **Kafka** (Kafka Streams), **TypeScript**, **Node.js**, **Microservices**, **REST APIs**, **GraphQL**, **Apache CXF**.

Frontend Development

React, **TypeScript**, **JavaScript** (ES6+), **Jest**, **React Testing Library**, **Redux**, **Material UI**, **Tailwind CSS**.

Android Development

Kotlin, **Jetpack Compose**, **Material 3**, **Android SDK**, Google's Android design principles, **React Native**, native bridges (Swift, Kotlin).

Cloud, DevOps & Infrastructure

Kubernetes, **OpenShift**, **Helm**, **Docker**, **Jenkins**, **Git** (GitLab), **CI/CD** pipelines, **AWS** (Lambda, ECS, API Gateway), **Azure**, **Azure DevOps**, **SonarQube**, **Fortify**, **Confluence**, **Jira**, **Dynatrace**, **Linux**.

Databases & Data Management

PostgreSQL, **MySQL**, **MongoDB**, **Redis**, **Hibernate ORM**.

Observability & Monitoring

Elastic Stack (Elasticsearch, Kibana, Logstash, Elastic Agent, APM), **OpenTelemetry**, **Dynatrace**, knowledge of data engineering and ETL concepts.

Testing & Quality

TDD (Test Driven Development), **JUnit**, **Mockito**, **Spring Test**, **Jest**, **React Testing Library**, manual and automated testing (unit, integration, regression).

Architecture & Design

Clean Code, **SOLID** principles, **Design Patterns**, **Domain Driven Design (DDD)**, **Microservices Architecture**, **Event-Driven Architecture**, **UML**, **C4 modeling**.

Soft Skills & Methodologies

Software Craftsmanship, **Agile/Scrum**, pair programming, code reviews, mentoring, team leadership, problem solving, collaboration with remote teams, continuous learning.

CERTIFICATIONS

Microsoft Certified: Azure Developer Associate