

Mahendran Visvanathan | Senior Java Lead/Developer



A Senior Java Lead/Developer with **20+** years of comprehensive experience in software architecture, design, and implementation. Specializing in **iDEAL (WERO), Mobility, AWS, Azure, DevOps, Cloud Deployment**, Mobile Payments, SEPA/OPF frameworks and **CI/CD** processes. Expert in Agile methodologies with extensive hands-on expertise in architecting and leading the backend development of **Payments Domain Ecosystem, microservices architecture, and cloud technologies**. Proven ability to drive innovation and scalability, particularly within banking & financial sectors, with additional experience in the healthcare domain.

CONTACT

Phone

+31(0) 684131747

Location

Nieuwegein, Netherlands

DOB

29th May 1982

Email

mahendran.visvanathan@gmail.com

LinkedIn

linkedin.com/in/mahendran-visvanathan-1898bb27/

Nationality

Dutch

EDUCATION

Bachelor of Information
Technology,

Madras University,
Chennai, India

May 2004

PROFESSIONAL EXPERIENCE

Senior Java Lead/Developer

March 2015 – Present



Cognizant, Amsterdam, NL

- Built and deployed scalable **Spring Boot APIs** for parking and Rabo apps, integrating with **Angular/Redux/TypeScript/Senses framework**, and managed production deployments on **Cloud Foundry** and **Azure App Services**.
- Automated infrastructure setup using **Azure DevOps CI/CD Pipelines**, integrated with **Azure Key Vault** and Managed Identities for secure cloud-native development.
- Built non-blocking, reactive microservices using **Spring WebFlux** in **Java/Kotlin** and Project Reactor, improving throughput and resource utilization under high load.
- Led database migration initiatives using **Azure Data Factory**, enabling seamless transition of enterprise-grade workloads to **Azure SQL Database** and **Cosmos DB** with minimal downtime..
- Led the cloud architecture principles and implementation of **iDEAL (WERO) User Profile Management**, collaborating with cross-functional teams to build a scalable dashboard for user profile management.
- Configured real-time monitoring and **observability** with **Dynatrace, Splunk**, and Azure Application Insights, improving incident response times and system reliability in production
- Integrated **SignalFx for real-time SLO dashboards**, anomaly detection & auto-notification to DevTeam based on threshold.
- Designed and implemented robust integration and contract test suites using **Karate, JUnit, and WireMock**, enabling shift-left testing, decoupled development, and early defect detection in CI/CD pipelines.

RELEVANT SKILLS

Programming Languages

Kotlin, Java , JSP, JSF, J2EE, J2ME , XML , SQL , TypeScript, CSS, JavaScript

Frameworks & Libraries

Senses, **Angular**, Redux, Reactive, Spring WebFlux, **Spring Boot**, IaC(Ansible/ARM), Spring MVC , Apache Kafka, Struts, Hibernate, JUnit , Maven ,YAML ,YAPL, Drools

Development Tools

VSCoDe, IntelliJ IDEA, Eclipse, Git, Docker, Ansible, JIRA, Confluence,Github, Bitbucket, Visual Studio Code, **Cloud Foundry, Azure DevOps, Kubernetes**, Postman,Azure Functions, Azure Data Factory & Studio,Slack SoapUI,Splunk, Dynatrace, SignalFx, Jenkins, SVN, CVS

Environments

Continuous Integration & Deployment,Code Review, Microservices Architecture, Code Quality Tools(SONAR/CheckMarx), NexusIQ/CLM, API Documentation & Agile Methodologies

Databases & ORM

Oracle DB, PostgreSQL DB,MySQL, JDBC , R2DBC, Azure SQL Server DB, Azure Cosmos DB, Hibernate, JPA

Application Servers

Tomcat, WAS, IIS, JBoss, Weblogic, GlassFish

- Employed **TestContainers, Docker, and H2** in-memory databases to create reliable, isolated test environments that closely mirror production for backend and microservice validation
- Led backend development for a **NFC-based digital wallet system** using **HCE**, enabling secure tap-to-pay functionality using encrypted tokenization and real-time transaction validation in **Mobile Payments**.
- **Orchestrated** end-to-end payment business processes and configurable services, including parsing, validation, and cost-based routing, leveraging the **OPF Product Framework**.

Senior Java Backend Developer
March 2010 – December 2014

Client – Abbvie/Merck/KBC Bank/Visa
Cognizant, Chennai, India

- Worked with the **AGF2 Framework**, a customized MVC-based system developed by **KBC Bank**, utilizing the Wonder Machine Plugin Tool to render presentation logic and retrieve backend values via the Message Processing Program (MPP)
- Leveraged **Google Visualization API** and **AmCharts** to enhance dashboard reports with dynamic data visualization
- Designed and developed the on-screen electronic dose screen for **Multiple sclerosis (MS) patients** in **RebiSmart Connect Online Application**
- Designed, maintained, and modified **Oracle 10g database** schemas by developing and executing SQL scripts to support seamless business operations and ensure data integrity.
- Adhered to the **MVC architecture**, ensuring modular, scalable, and maintainable application design.
- Designed and developed a web-based application with **Struts2** to provide insights into new product launches and pricing strategies across specific geographic regions for **Abbvie Customers**.
- Managed version control using Git and integrated Maven for continuous integration with **Hudson**.
- Integrated **Hibernate** and SQL to optimize data retrieval, enhancing application responsiveness and performance.
- Explored and utilized **Mockito/PowerMock frameworks** for comprehensive unit and integration testing

LANGUAGES KNOWN

Tamil

Native/Bilingual Proficiency

English

Professional Working Proficiency

Malayalam

Limited Working Proficiency

Dutch(A2)

Elementary Proficiency

- Played a key role in migrating enterprise applications to **WebSphere**, leading to enhanced application efficiency and performance
- Resolved **PMD and Checkstyle** issues to maintain code quality and compliance with best practices.

Medior Java Backend Developer

October 2008 – March 2010

Client – WellPoint

UST, Chennai, India

- Built and maintained a centralized provider database using **Spring, JSF, and Hibernate**
- Collaborated closely with the onsite coordinator to gather and clarify project requirements, ensuring precise translation of business needs into technical specifications
- Provided comprehensive pre-production & post-production support, ensuring smooth deployment and continuous operation of application in live environments
- Conducted thorough code reviews to maintain code quality and identify potential issues, followed by efficient debugging and resolution of software defects.

HONOR AWARDS

Award for outstanding contribution ideas during Xploration Days

June/2023, Cognizant & Rabobank

Award for contribution to CII 2018

August/2018, Cognizant

Got 3rd prize - Most Innovation Idea on Innovation Day 2016

November/2016, Cognizant

Medior Java Backend Developer

May 2007 – May 2008

Client – JPMC

Cognizant, Chennai, India

- Developed portfolio reports using **Stored Procedures and Ant**, enabling access to real-time intra-day, close-of-business, and historical reporting with true-time series reference data
- Implemented functionality to run, view, print, or export reports in multiple formats simultaneously for efficient data analysis and sharing
- Created custom queries to extract data from the client reporting data hub for in-depth investigation of portfolio activity
- Designed and deployed a customizable dashboard homepage, providing quick access to key asset information and portfolio insights
- Enhanced real-time intra-day reporting capabilities, allowing users to schedule, retrieve, and receive minute-by-minute asset status reports via email

CERTIFICATES/COURSES

Generative AI For Beginners

April/2025, Udemy

AWS Certified Cloud Practitioner

April/2025, Udemy

Github Copilot – Java/Angular

March/2024, Cognizant Academy

S1- Fullstack Certification

August/2022, IIHT

Developing Microsoft Azure

Solutions AZ-204

December/2020, Cognizant

Sun Certified Java Developer

January/2007, Sun Microsystems, Inc

Diploma in Information Technology

April/2004, NIIT, Chennai

Junior Java Backend Developer

June 2006 – March 2007

NTrust, Chennai, India

- Developed Inhouse web application for employees and maintained the Abstraction Management System for their clients
- Tracked the resources availability, work status for that project on hourly, daily and so on
- Implemented Dashboard Overview to get know the online status of work

Junior Java Backend Developer

May 2004 – May 2006

American Infosolutions, Chennai, India

- Designed mobile user interfaces with **J2ME/MIDlet**
- Implemented the application modules, customized exception handling, base classes and utility classes using core Java
- Mentored a team of 4 junior developers, resulting in increase of project completion speed
- Completed a rigorous training program and involved hands-on exercises

OUTSIDE OF WORK

- Develop and **share proof-of-concepts (POCs)** on GitHub/GitLab using Java, modern cloud platforms, web frameworks & tools such as **Next.js, TypeScript, Vercel, Vite, React, Render, Serverless Databases(Supabase, Upstash)** etc. Integrate AI APIs and explore emerging trends like large language models (LLMs) and automation tools.
- Innovation Champion at Cognizant, fostering idea sharing, AI-driven solutions and experimentation across teams
- Hobbyist Photographer with a focus on nature and urban scenes
- Home Chef with interest in Indian cuisine