# Mahendran Visvanathan | Senior Java Lead/Full Stack Engineer

A Senior Java Lead/Engineer 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 Full Stack Developer**
March 2015 – Present

Rabobank

Cognizant, Amsterdam, NL

- Built and deployed scalable **Spring Boot APIs** for parking and Rabo apps, integrating with **Senses framework(Angular/React),** 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***
Azure, AWS,Senses,React, **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 Fatory & 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**          **Client – Abbvie/Merck/KBC Bank/Visa**
March 2010 – December 2014                          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

## 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

- 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**                    **Client – WellPoint**
October 2008 – March 2010                                   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.

**Medior Java Backend Developer**                    **Client – JPMC**
May 2007 – May 2008                                   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 Practicioner**

April/2025, Udemy

**Github Copilot – Java/Angular**

March/2024, Cognizant Academy

**S1- Fullstack Certification**

August/2022, IIHT

**Developing Microsoft Azure**

**Solutions  AZ-204**

Decemeber/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