

Michel de Bree

Freelance Full Stack Java Developer

Full stack software developer with 20+ years of experience in complex and dynamic IT landscapes, who thrives on working on challenging agile projects as part of a multi-disciplinary team.

- Currently working as Lead Developer & Scrum Master (Java, WSO2, Docker, REST, OAuth, Ansible, Linux, JIRA, Git, Jenkins)
- Experienced in Java, JEE, Spring, REST, Javascript, Open Source, Linux, TDD, CI/CD, Agile (Scrum, DevOps)
- Open to new development challenges involving Java, Spring Boot, Docker, API's, Microservices, React, Agile, Full-stack, Continuous Integration & Delivery

My technical experience ranges a full development stack. From, for example, provisioning a Linux based server architecture, to developing service-oriented JEE, to implementing a REST API driven Javascript front end. As a developer I am at my best developing backend services and integrating them with other components, while also being involved in the whole development stack.

Solutions I worked on are mainly customer facing internet channels that integrate reliably and securely with back office systems, in the field of logistics, telecommunication, banking, medical and public sector. In my daily work I frequently communicate with business analysts as well as the IT department and suppliers of my clients. I often have an advisory role concerning system- and software architecture.

I prefer to work in a motivated, multi-disciplinary, self-directing team with a clear focus on business value, in close collaboration with the various stakeholders. I often find myself in the role of lead developer. I am also constantly looking to improve the quality of solutions and the development process while at the same time delivering real business value.

My broad experience and creative nature allows me to quickly assess different options and make balanced decisions based on best practices, future-proofness, fit/gap for the specific situation and the expected return on investment.



Figure 1: Photo

Personal Information

- Year of birth: 1972
- Residence: The Hague / The Netherlands
- Languages: Dutch (native), English (fluent)
- E-mail: michel@micheldebree.nl
- LinkedIn: nl.linkedin.com/in/micheldebree

Skills

Activities: Lead development, solution architecture, system architecture consulting, code review, refactoring, quality metrics, build and deployment automation, provisioning automation, configuration management, Scrum master.

Backend: Java Enterprise Edition (JEE), JBoss, Spring, Apache Tomcat, IBM Websphere, Hibernate, NodeJS

Frontend: HTML5, CSS, Javascript, AngularJS, REST, JSON

Integration: SOAP Webservices, REST, WSO2 ESB/APIM/IS, JSON, SAML2, XML, HTTP, TLS, OAuth, SAML2, Swagger, H17v3

Security: OWASP, OAuth, TLS, PKI, SAML2

Infrastructure: RedHat Enterprise Linux, Docker, Ansible, Apache Httpd, HAProxy, Amazon EC2

Database:: PostgreSQL, MySQL, Oracle

Continuous Integration & Delivery: Scrum, DevOps, Agile SAFE, Maven, Git, Atlassian (Bitbucket, JIRA Agile, Confluence, HipChat), Jenkins, Sonar, JUnit, Mockito, Docker, Vagrant, Selenium, Wiremock, SOAPUI, Postman

Timeline

| Year | Where | Role |
|--------------|--------------------------------|--|
| 2014-present | micheldebree.nl | Freelance Full Stack Java Developer |
| 2005-2014 | DearNova (formerly E-ID) | Senior Software Engineer |
| 2001-2005 | Axians (formerly Imtech ICT) | Software Engineer |
| 1994-2001 | LUMC | Developer |
| 1991-1998 | Delft University of Technology | Student Software Engineering |
| 1984-1991 | Het Vlietland College Leiden | Student VWO beta |
| 1990 | At home | Sold my first homemade game to a publisher |
| 1984 | At home | Started programming |

Freelance Projects

2014-present

| Year | Customer | Project | Activities | Techniques |
|--------------|------------------|-------------------------|------------------------------|---|
| 2016-present | Rijks-waterstaat | Central integration hub | Lead Developer, Scrum Master | Java, WSO2, Docker, REST, OAuth, Ansible, Linux |
| 2015-2018 | Ministry of IenM | Platform-As-A-Service | Senior Developer | Java, WSO2, Ruby, Amazon EC2, Linux |
| 2014-2015 | ING Bank | Customer authentication | Senior Developer | Java, Spring, AngularJS, REST, Linux |

“Knooppunt”, a central integration hub

2016-present @ Rijkswaterstaat

Keywords: Scrum Master, Lead Developer, Agile, Scrum, DevOps, SAFE, Java, Infrastructure as Code, WSO2 ESB, WSO2 API Manager, WSO2 Identity Server, REST, JSON, OAuth, Swagger, Ansible, Docker, Vagrant, Continuous Integration, JIRA, Confluence, Bitbucket

While working for the Standaard Platform Alliance, I am now mostly busy as Lead Developer and Scrum Master in a development team for designing and building the central integration hub for applications in the “Digitaal Stelsel Omgevingswet”, which supports the new dutch law “Omgevingswet” for 2019. This will land on the “Standaard Platform”. The main focus of the hub is routing, access-control, auditing and self-service for service providers and service consumers. As such it has high demands on availability, performance, scalability, security and privacy. Also I work closely with the Standaard Platform teams for designing new features in the platform that support the use cases for the Digitaal Stelsel Omgevingswet.

“Standaard Platform” a modern Platform-As-A-Service (PAAS)

2015-2018 @ Dutch Ministry of Infrastructure and Environment

Keywords: Scrum, DevOps, JIRA, Confluence, Git, Maven, Nexus, Jenkins, Python, Liquibase, Sonar, WSO2 Governance Registry, Selenium, JMeter, JUnit, SOAPUI, Mockito, AngularJS, JAX-RS, REST, JSON, WSO2 API Manager, JEE, JBoss, CDI, Hibernate, JAX-WS, SOAP, Webservices, WSO2 ESB, SSL, SAML2, WSO2 Identity Server, OpenLDAP, PostgreSQL, Elasticsearch, MongoDB, Graylog, HAProxy, Squid, Apache, RHEL/CentOS 7, Amazon EC2, OpenStack, Ruby, Vagrant

Activities: Development, in a Scrum team, of an automatically provisioned enterprise application platform. I worked on almost all aspects of the platform, especially custom governance components (Java) and automatic provisioning of new infrastructure- and platform components (Ruby). Code review, technical design, writing technical and functional documentation, quality control of code, versioning and DTAP street.

This generic platform is based on the Java platform and open source components. It is scalable, reliable and secure according to industry standards. A new instance of the platform, consisting of several virtual Linux servers in a cloud environment, is provisioned fully automatic from scratch and works out-of-the box. A central governance solution is included for auto-

matic deployment through the DTAP cycle and central configuration and management of the business applications that are hosted on the platform.

Online Banking Customer Authentication

2014-2015 @ ING Bank

Working in a DevOps Scrum team on internet banking applications and services involving customer authentication for online (web) banking transactions.

Keywords: Scrum, DevOps, Java EE, Spring, Maven, AngularJS, REST, JSON, Linux, Websphere, Tomcat, Oracle, Jenkins, Nolio, GIT, Stash, JIRA, Confluence, Sonar, Nexus, Mockito, Protractor, Selenium, Docker, Virtualize, JUnit, Eclipse, IntelliJ, Fortify, SoapUI

Activities: Functional and technical design, client-side (AngularJS) and server-side (Java REST API's and SOAP services) implementation, automated testing, backend integration, code reviews, security audits, automated deployment, incident analysis, automated monitoring, restacking of applications, automated testing, documentation, release and deployment of components through the DTAP street.

Projects for E-ID internet strategies

2005-2014

For E-ID (now [DearNova](#)) I have been involved in some on-site projects aswell as starting up the software architecture and development pipeline on new in-house projects. The project I have been working the longest on, and has been my personal pet project, are the various incarnations of the public channel to the National Electronic Patient Dossier (EPD). More details about these projects can be found on <https://www.linkedin.com/in/micheldebre>.

| Year | Customer | Project | Activities | Techniques |
|------|---------------------|-----------------------------|---|--------------|
| 2014 | DELA (insurance) | Online presence overhaul | Lead developer / solution architect | .NET |
| 2014 | KPN (telecom) | Order tracking widget | Lead developer / solution architect | Java, Spring |

| Year | Customer | Project | Activities | Techniques |
|---------------|--|--|--|--|
| 2013- 2014 | DPD (logistics) | Online sales platform | Solution architect | .NET, AngularJS |
| 2012- 2014 | VZVZ (medical) | Customer portal for EPD | Lead developer / Solution architect | .NET, DigiD, SAML2, HL7v3 |
| 2013 | De Lage Landen (financial services) | Vehicle search engine | Lead developer | ASP.NET, AngularJS, REST |
| 2013 | Saltro (medical) | Customer portal for laboratory results | Lead developer / Solution architect | .NET, HL7, jQuery |
| 2012 | Ziggo (telecom) | Customer portal / cloudservices directory | Lead developer / Solution architect | Java, Spring, several social media API's |
| 2011- 2012 | Infinitas (retail) | International E-commerce platform | Integration developer | Java, IBM Websphere Commerce |
| 2010- 2011 | Didoc (information technology) | Paper channel for the EPD | Lead developer | .NET, DigiD, SAML2, HL7v3 |
| 2009- 2010 | CIBG (government) | Lead Developer, Consultant | Customer portal for the EPD | .NET, SAML2, DigiD, HL7v3 |
| 2009 | Nictiz (semi- government) | Lead Developer, Solution architect | Customer portal for the EPD (Prototype) | Java, Spring, SAML2, HL7v3 |
| 2008- 2009 | TNT Express (logistics) | Internal scheduling tool | Development | JEE (EJB), Oracle |
| 2005- 2007 | Aegon Bank (banking) | Integration layer and internal tools | Development and maintenance | JEE (EJB), IBM Websphere |

Projects for Imtech ICT / PaC

2001-2005

PaC (now Imtech ICT) was my first full-time employer. I worked as a developer on various projects for customers. More details about these projects can be found on <https://www.linkedin.com/in/micheldebree>.

| Year | Customer | Project | Activities | Techniques |
|-----------|---|--|-------------------------|-------------------------|
| 2005 | Kennisnet (education) | Educational search engine | Development | JEE, Lucene |
| 2005 | Imtech ICT | Internal resource planning tool | Design and development | Java |
| 2004-2005 | Nedal (industrial) | System integration | Integration development | Java, SOAP |
| 2004 | Oasen (facilities) | Real time geographical visualization | Design and development | Java, JSP |
| 2004 | De Zaak Launspach (graphical industry) | Corporate Identity Management tool prototype | Design and development | Java |
| 2003-2005 | Imtech ICT | Corporate CMS | Design and development | Java, MMBase |
| 2001-2001 | FlexiForce (industrial) | Desktop application for order configuration | Development | Visual Basic, SQLServer |

Automatic University Exam System @ Leiden University Medical Center

1994-1995

Part time development, during my studies, of the successor to EGEL 2.0, a desktop software package for creating, generating and taking exams for university medical students, including the use of multimedia like photos, movie clips and soundbites.

Keywords: Visual Basic, MS Access.

“Everything should be as simple as it can be, but not simpler.”

– Albert Einstein

“Perfection is reached, not when there is no longer anything to add, but when there is no longer anything to take away.”

– Antoine de Saint-Exupery

“There are two ways of constructing a software design: One way is to make it so simple that there are obviously no deficiencies and the other way is to make it so complicated that there are no obvious deficiencies. The first method is far more difficult.”

– C.A.R. Hoare

The most recent version of this cv can be found at github.com/micheldebree/cv