

Michel de Bree

Freelance Full Stack Java Developer

With over 20+ years of experience in complex and dynamic IT landscapes, I am equipped to help you build your automated solutions in an agile and sustainable way.

Currently working with the following techniques:

- Scrum / Agile SAFE
- Java 8 / Spring Boot / Hibernate / Drools / PostgreSQL
- ReactJS / REST / JSON / OAuth / OpenAPI
- Linux / Docker / Ansible
- JUnit / Mockito / Cucumber / Gherkin
- Git / Maven / Jenkins / JIRA

Personal Information



Figure 1: Photo

- 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

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 |
| 1984 | At home | Started to teach myself programming |

Freelance Projects

2014-present

| Year | Customer | Project | Activities | Techniques |
|--------------|---------------------|--|------------------------------|--|
| 2018-present | Rijks-waterstaat | Legislative rule engine with supporting interfaces | Full Stack Developer | Java 8, Spring Boot, ReactJS, Docker, Drools |
| 2016-2018 | Rijks-waterstaathub | Central integration | Lead Developer, Scrum Master | Java 8, Spring Boot, 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 |

Legislative rule engine with supporting interfaces

2018-present @ Rijkswaterstaat

Keywords: Full Stack Developer, Agile, Scrum, DevOps, SAFE, Java, ReactJS, REST, JSON, OAuth, Swagger/OpenAPI, Docker, Drools, Postgres,

Continuous Integration, JIRA, Confluence, Bitbucket, Maven, Jenkins

Activities: Development of backend and frontend components for the rule engine of the “Digitaal Stelsel Omgevingswet” that is able to collect the various legislative rules involved in the new law, and apply them. The engine offers several interfaces in the form of REST API’s, SOAP services and a ReactJS SPA application.

“Knooppunt”, a central integration hub

2016-2018 @ 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

Activities: 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 automatic 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 DearNova

2005-2014

For [DearNova](#) (at the time called “E-ID”) 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/micheldebree>.

| 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 |
| 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 |

| Year | Customer | Project | Activities | Techniques |
|-----------|--------------------------|--------------------------------------|---|----------------------------|
| 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 Launsbach (graphical industry) | Corporate Identity Management tool prototype | Design and development | Java |
| 2003-2005 | Imtech ICT | Corporate CMS | Design and development | Java, MMBase |

| Year | Customer | Project | Activities | Techniques |
|---------------|----------------------------|---|-------------|-------------------------------|
| 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.

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