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) React, Agile, Full-stack, Continuous Integration & Delivery
- Experienced in Java, JEE, Spring, REST, Javascript, Open Source, Linux, TDD, CI/CD, Agile (Scrum, DevOps)
- Continously improving the delivery pipeline
- Open to new development challenges involving Java, Spring Boot, Docker, API's, Microservices, CI/CD

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.

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

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, Hl7v3

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-now	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-

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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/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

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