

Robin Mattheussen

Software Engineer · System Engineer

Personal Information

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Work Experience

May 2018 – ...

Cloud Backend Engineer @ Reniver

At Reniver we developed a full-stack solution for an Industrial Internet of Things environment with our own embedded firmware for our multi-sensor self-designed hardware. This included a platform for managing and configuring said hardware, along with additional services to integrate "smart" industrial PLCs using OPC UA, and to publish data to various cloud platforms. Our entire stack used C, Scala and .NET.

I was personally responsible for the following:

- Developing the service for integrating real-time data from existing PLCs exposed over OPC UA
- Developing the Service for publishing aggregates data to various cloud components
- Maintaining the CI/CD pipelines for all of our code

While working at Reniver I also performed consulting work for Meyn in the Netherlands, helping them build a large scale customizable food-processing solution built using C++ and OPC UA.

Nov 2016 – Apr 2018

Technical Software Engineer @ Cegeka

Developed a large number of backend services using a Java/Spring stack as well as a modern responsive web application using TypeScript/Angular. Everything was developed using a best-practice microservice and CQRS architecture.

Other responsibilities included setting up a large portion of the supporting infrastructure. This included defining infrastructure-as-code using Terraform, deploying and managing several Kubernetes clusters, setting-up and maintaining a CI/CD pipeline using Jenkins/Concourse and supporting tools such as monitoring using Prometheus, ELK, CoScale and Gatling.

The project was developed in an Agile environment using extensive knowledge-sharing, Extreme Programming practices and frequent code-reviews

Apr 2011 – Oct 2016

IT Medewerker @ Ypto N.V.

Responsible for a wide variety of tasks and projects:

- Windows and Linux system maintenance
- Mobile Device Management (SAP Afaria)
- Database Management, custom ETL jobs, non-business reporting
- Windows device imaging, Windows device patching, Windows application deployment
- General system and application-level monitoring (IBM Tivoli Monitoring)
- Infrastructural improvements by setting up log-aggregation systems, event-management systems, performance testing
- Development of tools for in-house use
- 3rd Line Service Desk support

Education

- 2009 – 2010 Bachelor Degree in **Toegepaste Informatica**
Karel de Grote Hogeschool, Antwerpen
- 2008 – 2009 Bachelor Degree in **Informatica**
Universiteit Antwerpen
- 2002 – 2008 High School Diploma in **Wetenschappen Wiskunde 6**
Sint-Gabriël College, Boechout

Skills & Competences

Languages:

- Dutch:** Mother tongue
English: Very fluent (reading, writing, speaking)
French: Intermediate (reading, writing)
Basic (speaking)

Skills:

- Languages: Java, C# (.NET), Go, Scala, Rust, Haskell
Tools: Visual Studio, IntelliJ IDEA, Git, Jenkins, Jira, Docker, Ansible, Terraform, Kubernetes
Databases: RDBMS (SQL Server, Oracle, Postgres, MySQL), SQL, MongoDB, InfluxDB, Cassandra, CouchDB, Riak, Redis
Operating Systems: Very solid Linux system internals knowledge, decent Windows system internals knowledge
Other: RabbitMQ, Kafka, MQTT, OPC UA

Personal Strengths:

- Excellent at thinking both analytically and critically
- Always eager to learn and share knowledge
- A strong eye for detail
- Constant drive for improvement
- Very well aware of own strengths and points of improvement