

Robin Mattheussen

Software Engineer · System Engineer

Personal Information

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Work Experience

Nov 2021 – Feb 2022

Software Engineer @ Ibanity

Ibanity develops and maintains a standardized API marketplace for accessing your personal account and transaction data from payment service providers in Belgium and beyond. This work builds on the EU PSD2 directive. Working at Ibanity involved building and maintaining services in Elixir (and a few in Ruby), as well as maintaining API clients in various programming languages and supporting customers with technical issues.

March 2020 – April 2021

Backend Engineer @ Keyrock

At Keyrock we developed a globally distributed platform for market-making in the cryptocurrency world. Our team developed a scalable engine for algorithmic trading built in Rust, deploying newly developed algorithms developed by our researchers. On top of that, we built large pipelines for the vast influx of trade data to provide visibility into the daily trading activity to the other teams and our customers. This system was deployed on a daily basis around the globe on AWS in close cooperation with our various partners.

May 2018 – March 2020

Cloud Backend Engineer @ Reniver

At Reniver we developed a full-stack solution for an Industrial Internet of Things environment, including writing our own firmware for a self-designed multi-sensor PCB, a backend management platform, a networked configuration protocol, 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 developed the PLC integration services and cloud platform connectors, and maintained all operational and CI/CD systems.

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, such as 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.

Apr 2011 – Oct 2016

IT Medewerker @ Ypto N.V.

Responsible for a wide variety of tasks and projects including managing Windows and Linux systems, custom ETL jobs, setting up log-aggregation systems, development of small tools for in-house use, application monitoring, etc.

Technical Skills

Experience with: Rust, Go, Java, C# (.NET), Elixir, Scala
Interested in: Clojure, Common Lisp, Erlang, Elm, F#, OCaml, Haskell, Nix
Tools: Visual Studio, IntelliJ IDEA, Git, Emacs, 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 knowledge, decent Windows system knowledge
Other: RabbitMQ, Kafka, MQTT, gRPC, OPC UA

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

Competences

Languages:

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

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