

Wouter Menninga

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Experience

Vocational.....

Portavita

Software Developer

Amsterdam

April 2022 – Current

Portavita (part of CGM) supports healthcare groups, healthcare providers and patients in improving treatment and prevention programs for the entire healthcare population. In addition, Portavita strengthens regional cooperation with innovative digital healthcare solutions that contribute to smarter network healthcare.

At Portavita, I work together with a team of backend specialists on the development and maintenance of our backend applications.

Technologies used: Scala, Java, Akka Streams, ZIO, Spring framework, Kafka

Sustainable Buildings

Software Developer

Groningen

February 2017 – September 2021

At Sustainable Buildings, I worked with an enthusiastic team on a startup to help make buildings more energy-aware and sustainable.

In my main role as Data Engineer, my daily work consisted of the development of our Apache Flink and Apache Spark applications, while also assisting with our ever evolving backend architecture with a strong focus on scalability.

Main technologies used: Scala, Spark, Flink, Akka, Kafka, Airflow.

In 2020, the company was acquired by the Innova Groep: a company active mainly as an energy supplier in the Dutch consumer and business market. One of the projects I worked on is the new intake application where all new contracts are processed.

Technologies used in this project: Java, Spring framework, Akka Streams, RabbitMQ

University of Groningen

Teaching Assistant

Groningen

August 2016 – May 2020

Teaching assistant for the master courses 'Web and Cloud Computing' and 'Scalable Computing'. As TA, I mainly assist with the practical sessions, where students have to develop a highly scalable, fault-tolerant, distributed web application.

Almanapp B.V.

Software Developer

Groningen

2014 – 2015, 2017 – June 2018

Almanapp develops software which enables their customers to deploy, manage and use an own mobile app for Android and iOS.

As Software Developer at Almanapp, I worked on the back-end powering all the mobile applications.

Qwoty B.V.

Lead Software Developer

Groningen

2015 – 2017

Since 2015, I am the main developer at Qwoty, responsible for the software development and maintenance for all the Qwoty sites.

Qwoty B.V.*Software Developer*

Qwoty builds state-of-the-art websites, web stores and easily accessible online response campaigns for the generation of (email)data, products sales or other purposes.

As Software Developer at Qwoty, I work on the backend powering all our landing pages and am responsible for the development of new features and our custom-build CRM, used in our customer support center.

Groningen*2014 – 2015***Education****University of Groningen***MSc Computing Science*

Software Engineering & Distributed Systems specialization

Groningen*2015 – 2022***University of Groningen***BSc Computing Science***Groningen***2012 – 2015***Winkler Prins***VWO*

Profiles Nature-Health and Nature-Science

Veendam*2006 – 2012***Internships and projects****RUG Distributed Systems group***Master thesis**September 2021 - April 2022*

I finished my master thesis at the Distributed Systems group of the Bernoulli Institute at the University of Groningen. The focus of my thesis was, in short, researching and evaluating a method for the solving of constraint satisfaction- and optimization problems using a distributed cluster of machines.

Technologies used for the implementation: Akka Cluster, Akka Actors, Scala

Groningen**RUG Distributed Systems group***Internship***Groningen***2016*

I did my Master internship at the Distributed Systems research group of the University of Groningen. During the internship, I researched different ways to handle Service Discovery. I also implemented service discovery solution for the RUG DS framework as a reference solution using Consul and using an external registrator (written in Scala), which detects services running in Docker containers.

Nerdalize B.V.*Bachelor thesis***Delft***2015*

For my bachelor project at the University of Groningen, I developed a prototype for a web-based benchmarker application in collaboration with the innovative startup Nerdalize. The developed software solution allows benchmarking arbitrary applications on different cloud providers, resulting in a cost-performance comparison. The prototype was the basis for further development by a team of students at the TU Delft and was used by Nerdalize in a production environment.

Other projects.....

Talfie **Veendam**
Software Developer *2014 – 2015*

From 2014 – 2015 I worked for a new company on an idea for a new social media platform for talents.

Nelipot **Groningen**
Programmer *nov. 2014*

During the Start-Up Weekend Groningen, I worked in a team on an original idea about a website that would combine information about cheap or free traveling from all around the web and would present it in one place. In the end of the weekend we had a working product ready to be judged.

What2Wear **Groningen**
Programmer *sept. – nov. 2014*

W2W was developed for the Software Requirements Engineering class at the RUG. It is an Android mobile application that fetches data from weather forecast websites, suggests appropriate outfit for the individual user and accepts daily feedback to improve its suggestions. With W2W, we won the class competition, where it was judged by IT and Entrepreneurship professionals.

Skills

Programming languages: Scala, Java, Python

Frameworks: Apache Spark, Apache Flink, Akka, Django, Flask, Android

Databases: PostgreSQL, MongoDB, Cassandra

Other technologies: Linux, Docker, Kafka, Apache Airflow, Cloud Computing

Languages

Dutch: Native *Native language*

English: Near-native

French: Basic *Basic high-school level understanding*