



Marten den Heijer

Full-stack Software Engineer

Hello, I'm Marten

I am a full-stack Software Engineer with a strong focus on delivering **high-quality** and **sustainable software solutions**. Collaboration and effective communication are among my greatest strengths. I am confident in my skills and I'm always **searching to further develop my expertise**.

CONTACTS



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Education

Bachelor-ICT, HAN University of Applied Sciences, Arnhem.

Expertise

- **Leadership and Management:**
Demonstrated effective leadership skills, overseeing the efficient operation of a software development team and ensuring project goals were met.
- **Agile Methodologies:**
Proficient in utilizing agile methodologies, including Scrum, to streamline development processes and enhance overall project efficiency.
- **Technical Expertise:**
Adept at developing and implementing innovative technical solutions, utilizing a wide range of technologies.

Python, C#, .NET, Node.JS, MySQL, MongoDB, Docker, Kubernetes, Git, Large Language Models (LLM's), VueJS, React

EXPERIENCE

2024 - Present **DevOps Engineer | A.S.R.**

Freelance

Since 2024, I have been working at a.s.r., one of the Netherlands' leading insurance companies, as a freelance DevOps Engineer. Within a multidisciplinary team, I am responsible for the development and maintenance of the corporate website and the critical policy application flow, the main entry point for all incoming insurance applications. I drive functional expansions, performance improvements, and bug resolutions as part of an ongoing brand refinement initiative. I collaborate closely with stakeholders across business and IT to align technical solutions with strategic goals and ensure smooth delivery. The technology stack includes Sitecore, Vue.js, and .NET, requiring a strong focus on system reliability, feature quality, and cross-functional communication in a dynamic agile environment.

2024 **Software Engineer | Boekjaar**

4 months

Freelance

In 2024, I joined Boekjaar as a freelance Software Engineer, collaborating closely with the company's co-founder to build integrations between their SaaS platform and accounting systems such as Exact Online and e-Boekhouden. I designed and implemented a scalable data warehouse to structure financial data, enabling the automated generation of annual reports and supporting key platform functionalities. The technology stack included Node.js, AWS Serverless and MySQL. This role required close cross-functional collaboration, a strong focus on data architecture, and delivering high-quality, reliable solutions in a startup environment.

2018-2024 **Lead Software Engineer | Qfact**

6 years

Employee

At Qfact, I was responsible for leading a team of software engineers, guiding the development process, ensuring code quality, and shaping the software architecture for our SaaS platforms. I designed and implemented complex components, developed technical solutions, and presented them to the team. I managed both internal and external stakeholders and took leadership of projects from start to finish within an agile (SCRUM) environment. Throughout my time at Qfact, I contributed to numerous projects, building both frontend and backend functionalities, while adhering to SOLID and Clean Code principles.

Personal

Utrecht,
Veenendaal

Drivers license
B

Dutch
English

Projects

Visit my website on <https://martendenheijer.nl> for a complete overview of my projects.

SaaS Software Platform Development and Leadership

- Worked for five years on a SaaS platform within a microservices architecture used by thousands of users daily for complex data analysis tasks.
- Actively participated in all development stages, including leading design sessions, implementation and automated testing.
- Wrote a substantial amount of code, gaining deep insights into both Node.js and Python.
- Responsible for creating automated tests, maintaining CI/CD pipelines, and giving regular demos.
- Contributed to roadmap discussions and led sprint planning meetings and retrospectives as lead software engineer
- Tech Stack: NodeJS, Python, Microservices, Eventsourcing, VueJS

QIntelligence

- Lead the QIntelligence initiative at Qfact, taking charge of establishing a robust document indexing infrastructure.
- Created a Proof-of-Concept for automated content analysis, leveraging NLP technologies (SpaCy, NLTK, Gensim) and Llama-2.
- Resulted in a system that significantly reduced administrative workload and provided highly accurate project recommendations, showcasing expertise in NLP and innovative problem-solving.
- Tech Stack: Python, Flask, SpaCy, ChatGPT, Llama-2

Analysis Functionality Enhancement

- Headed the Analysis Functionality project at Qfact, addressing performance issues with existing analysis methods amidst growing data volumes.
- Designed overall architecture and granular software modules within the microservices architecture.
- Introduced a user-friendly interface for configuring analysis reports, dynamically creating complex MySQL queries, ensuring rapid report loading for intricate data across multiple microservices.
- Tech Stack: NodeJS, VueJS, MySQL, MongoDB

Eventstore Development

- Collaborated closely with the software architect in developing a new Eventstore for Qfact's software platform.
- The Eventstore, based on the Event Sourcing pattern, served as a database for storing business logic, utilizing JavaScript, Cassandra, and MongoDB.
- Used SCRUM methodology for software development, covering design, code implementation, migration, and integration into the existing platform.
- Tech Stack: NodeJS, Cassandra, RabbitMQ, MongoDB

Car Sharing Mobile Application

- Developed a Mobile Car Sharing Application, designed for efficient management of shared vehicles.
- Implemented features encompassing tracking of car usage, push notifications, email alerts, and precise calculations for mileage and fueling costs.
- Crafted a user-friendly design utilizing VueJS for the front-end and .NET for the back-end, with MySQL handling data persistence.
- Tech Stack: .NET, MySQL, VueJS, Mobile App Development

Technologies

- Python, Flask, Django, FastAPI, Natural Language Toolkit (NLTK), Gensim, spaCy, NumPy, Pandas, PyTorch
- Javascript, NodeJS, Next.js, VueJS, React, Angular, Expo
- C#, .NET, Unity Engine
- PHP, Laravel, Phalcon
- MySQL, Cassandra, MongoDB, Elasticsearch, Redis, Firebase, PostgreSQL
- Docker, Kubernetes, Google Cloud Hosting, DigitalOcean, Azure
- Git, Github, Gitlab, Jenkins
- NLP Technologies, Large Language Models (ChatGPT API, Llama-3)
- Test-Driven Development (TDD)

Personality

•	Detail-Oriented Problem Solver
•	Quality-Conscious Software Advocate
•	Collaborative Team Player
•	Innovation-Driven Facilitator
•	Continuous Learner and Innovator
•	Stakeholder-Centric Analyst
•	Great empathy