JOHANNES BRANDENBURGER

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OBJECTIVE

Hello! I am Johannes, a passionate software developer and engineer. After completing my dual studies at Geberit and earning my Master's degree in Software Engineering in Konstanz, I am now working full-time at Vanderlande Logistics (formerly Siemens Logistics), where I initially completed my master's thesis. In addition, I continue to work as a freelance developer and consultant for various companies and pursue my own side projects in my favorite topics of software engineering.

EDUCATION

Master of Science in Software Engineering 2023 - 2025
University of Applied Sciences Konstanz *Konstanz, Germany*
Grade Point Average: **1.1 (DE) / 3.9 (US-GPA)**
Thesis: Softwaregestützte Sortierplanung in Gepäckabfertigungssystemen an Flughäfen (Grade: 1.0 (DE) / 4.0 (US-GPA))

Bachelor of Science in Computer Science (Information Technology) 2020 - 2023
DHBW Ravensburg (Cooperative State University) *Friedrichshafen, Germany*
Grade Point Average: **1.2 (DE) / 3.8 (US-GPA)**
Thesis: Zentrale Plattform für die Analyse und Verwaltung der Code-Sicherheit in Unternehmenssoftwaresystemen (Grade: 1.0 (DE) / 4.0 (US-GPA))

EXPERIENCE

Software Developer Sep 2025 - Present
Vanderlande Logistics *Konstanz, Germany*

Master's Student Feb 2025 - Jul 2025
Siemens Logistics *Konstanz, Germany*
- Wrote my master's thesis in the field of airport sort allocation optimization

Independent Software Developer and Consultant Sep 2023 - Present
Brandenburger IT Solutions *Mengen, Germany*
- Among others, worked for Geberit and Westermann Verlag.
- Full-stack development and software architecture
- Mostly combining open-source technologies and SAP infrastructure for innovative employee applications

Corporate Student Oct 2020 - Sep 2023
Geberit *Pfullendorf, Germany*
- Visited all IT departments of the company
- Stay abroad to work in a Geberit subsidiary in Italy for several months
- Worked on real projects in an international business environment
- Developed a full-stack application for security checks used in production

SKILLS

Technical Skills	Python, TypeScript, C++, Java, Rust, Docker, Azure, AWS, SAP CAP, Cloud Foundry, TensorFlow, SAP UI5, React, Next.js, Three.js, D3.js, Flutter
Soft Skills	Leadership Qualities ("You take on a very central role in planning and team communication"), Customer Orientation ("Your comprehensible and positive interaction with the CPOs is striking in a positive sense"), Communication Skills ("You communicate with great commitment and authenticity")

PROJECTS

Know Where You Go: Open-source Google Maps Alternative built with React and Leaflet. GitHub Demo

Geberit: Central Platform for Analysis of Code Security in Enterprise Software Systems: Full-stack cloud native application for security analysis of ABAP code. Presented on ABAPConf 2023 (YouTube).

Flight Simulator Online 3D Game: Small 3D browser game using three.js GitHub Demo

Reveal the World: Cloud Native Travel Map App: A Web-App with Docker, Kubernetes, Terraform and Express made for running on Azure GitHub

User Authentication using Voice Recognition: A student research project concerning the topic of user authentication using voice recognition. The aim of the work was to find the optimal combination of the speaker features LPC, LPCC, MFCC and Delta MFCC for authentication using a neural network (TensorFlow). GitHub

Generalized Iterative Closest Point Implementation: Own implementation of the Generalized Iterative Closest Point (GICP) algorithm in Python for vizualization and evaluation of the algorithm. The algorithm is finds the optimal transformation between two point clouds and is used to localize a robot using lidar data. GitHub

Typst MCP Server: A MCP server implementation that helps large language model agents to generate Typst documents. GitHub

HTWG Mobile App: Student project in which we develop a mobile app for the students of the University of Applied Sciences Konstanz. Technologies used: Flutter, Quarkus, Docker GitHub

Resume - All in One and resumee.cloud: Open-source resume generator for professionals that allows to define resume data in JSON format and then generates a nice web portfolio and a professional PDF resume. Additionally, I created a SaaS version of the generator at resumee.cloud, that allows users to create their own online resume without any coding. Technologies used: Next.js, Aceternity UI, Typst, Prisma, tRPC GitHub

Student Project: Kudo Platform: We worked with Sybit GmbH on a Kudo platform as part of the project for the Master's lectures 'Agile Process Models' and 'Mobile Communication and Collaboration'. I was the product owner of my group and therefore always in contact with the chief product owners. GitHub

Assembly-Timediff: Program that evaluates timestamps, written in assembly x86-64 GitHub

EXTRA-CURRICULAR ACTIVITIES

- Playing drums in the Musikkapelle Rulfingen e.V.
- Alpine skiing
- Strength and endurance sport