



Manuel Henke

Software Engineer

Full-stack developer with expertise in AWS, application architecture design, DevOps and team management. Specialized in building web applications with React and Node.js that are written in TypeScript and deployed to Docker or Kubernetes environments using CI/CD pipelines.

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Website

henkebyte.com

Work Experience

faciloo

Nov 2024 – present

Senior Software Engineer

I [lead the development](#) of the customer app across web, Android, and iOS using [Angular](#), [TypeScript](#), [C#](#) (.NET Framework), and [MariaDB](#). I manage [DevOps](#), release management, and deployments with Docker, GitHub Actions, and [AWS](#), while ensuring smooth internal and external communication. My role combines engineering, DevOps, and [product strategy](#) to drive innovation and deliver high-quality solutions.

GT-ARC (TU Berlin)

Jul 2023 – Oct 2024

Team Lead: Platform & Applications

Oct 2023 – Oct 2024

I was [leading a small team](#) of developers to build a data platform as distributed system for our automated vehicles and road infrastructure using [Kafka](#), [Postgres](#) and [Python](#). While participating in application development, I was the Tech Lead, Product Owner and responsible for the deployment to [Kubernetes/Docker](#) environments via [GitLab pipelines](#) that I introduced.

Researcher & Software Developer

Jul 2023 – Oct 2024

My research focused on Cooperative, Connected and Automated Mobility (CCAM) alongside the BeIntelli project. I was responsible for developing web applications to make automated driving tangible. These applications were built using [TypeScript](#), [React](#), [Mapbox](#), [MUI](#), [Express.js](#), [Socket.IO](#), and [Prisma](#).

OEV Online Dienste

Dec 2019 – May 2023

Fullstack-Developer (Working Student)

- WordPress web application ([PHP](#)) with serverless backend functionality written in [Java](#)
- Alexa Skill with serverless backend services ([JS](#))
- Multi-tenant Web Components library ([TS](#))
- Corporate web application using [TypeScript](#), [React](#), [Fastify](#), [MongoDB](#), [Keycloak](#), [Kubernetes/Helm](#)

VKB

Jun 2018 – Nov 2019

Software Developer (Working Student)

- Developed a [WordPress](#)-based web shop using [PHP](#)
- Built [microservices](#) in [Java](#) as backend
- Created the frontend with [Bootstrap](#) and [jQuery](#)

Education

Technical University of Berlin

2016 – 2023

M.Sc. – Information Systems Management (1.3)

2020 – 2023

Thesis: "Implementation of a use case mapper for CCAM based mobility solutions in the platform economy framework" (1.0)

B.Sc. – Information Systems Management (1.9)

2016 – 2020

Thesis: "Design and development of a cloud-based solution approach for automated home accessibility assessment as an iOS app" (1.0)

Languages

German

Native

English

Proficient

Skills

JavaScript/TypeScript

●●●●●

React

●●●●●

HTML, CSS

●●●●●

Vue.js

●●●●○

Angular

●●●●○

Docker

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Java

●●●●○

Swift

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Kubernetes

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SQL

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Python

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PHP

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Interests

Cycling, Open-Source Development, Traveling