

Sascha Rose

Software Engineer

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What I Bring to the Table

I am a generalist — IT expert and full-stack developer with 20+ years of experience in software development, architecture, and IT operations. I specialize in modern web, app, server and cloud technologies — designing scalable, robust, and maintainable systems.

I'm experienced in quality assurance for long-term projects — covering unit, integration and end-to-end testing. I also focus on security-related aspects and their seamless automation and integration into daily development and CI/CD pipelines.

With a strong focus on continuous learning, and innovation, I stay up to date with current tech trends and best practices.

My experience working with interdisciplinary teams allows me to communicate technical decisions effectively and lead implementations with confidence.

I'm skilled at bridging the gap between developers and management — translating technical challenges into business-relevant language and vice versa.

Languages:

German (native), English (fluent)

What I'm Looking For

Seeking opportunities in web, app, and backend development — preferably all together — either independently or together with trusted colleagues from actyvyst. Also open to permanent roles or full-time employment.

My Core Tech Stack



React



React Native



HTML



CSS



Tailwind CSS



Node.js
Express



TypeScript



JavaScript



Python



PostgreSQL



MongoDB



GitHub



Jenkins



AWS



Docker



Kubernetes

Where I Gained Experience

Software Engineer

2024–2025

QiV – Qualität im Verkehr
System for Recording
Traffic Countings
actyvyst GmbH

Mobile app for Android for recording and transmitting traffic countings. Traffic counters can use this app to record configurable interviews and count data. To ensure the use of the app even without a network, the data is recorded offline and then transmitted to the central server, where it is consolidated and validated in an evaluation system. The overall system also includes plausibility checks, data publishing, and invoicing for traffic counters.



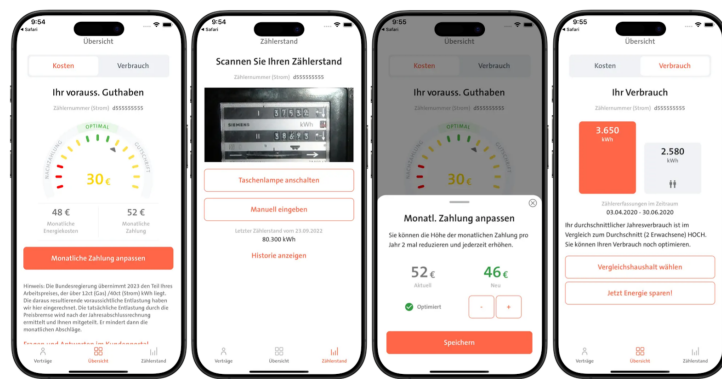
Technologies: React, React Native, Node.js (Express), TypeScript, Excel: Power Query, AddIn (VB Script), TaskPane (React), .Net (C#), postgres, GitHub Actions, Clerk, Render.

Software Engineer

2022–2025

Planning, implementation, maintenance, and further development of a mobile app for end customers of an energy provider.
actyvyst GmbH

The app enables meter reading (including camera integration), provides consumption forecasts, and supports monthly payment optimization. I developed the backend systems, integrated APIs, and set up the entire infrastructure.



Technologies: React, React Native, Node.js (NestJS, Express), TypeScript, Python (FastAPI), PostgreSQL, GitHub Actions, OAuth 2.0 (PKCE), AWS, Kyma (SAP), Kubernetes.

Lecturer
2023–2025
Taktsoft Campus Talents
actyvyst GmbH

I worked part-time as a lecturer, helping career changers enter the field of software development. I also created and updated the curriculum.

TAKTSOFT CampusTalents

Technologies: JavaScript, React, web development, app development with React Native (iOS, Android), API development with Node.js and Express, MongoDB, PostgreSQL.

Software Engineer
2024
Awareness Kitchen
actyvyst GmbH

React Native project for the Düsseldorf-based agency Awareness Kitchen: development of the “Escape Box” app, an interactive game master for an escape room experience. Designed as a playful tool for security awareness training, the app coordinates the game as a timekeeper and offers hints using multimedia and animations to guide players through the challenges.



Technologies: React Native, Expo, Gesture Handling, Animations, Videos, TypeScript, Node.js, Express, MongoDB, PostgreSQL.

Software Engineer
2022–
actyvyst GmbH

I have been a shareholder and employee of actyvyst GmbH.

Software Engineer
2022
Freelancer

Freelance software projects under the umbrella of actyvyst GmbH.

Software Engineer

2019–2021

Senior Developer at Amadeus Leisure IT GmbH, Aachen

As a Senior Developer, I led software development in the field of internet booking engines for travel portals. My tasks included frontend and microservice development, as well as major contributions to infrastructure setup. I introduced trunk-based development, automated deployments, implemented CI/CD pipelines, standardized test automation (unit, E2E, and integration tests), and established quality and security gates to ensure software quality and security.

Technologies: Angular, TypeScript, NodeJS (NestJS), OpenAPI, ORM, MongoDB, Redis, Keycloak, Kubernetes, Kustomize, NGINX, Prometheus, ELK, Jenkins, Docker, Artifactory, Confluence, Jira, Jest, Cypress, SonarQube, Fortify, BlackDuck, OWASP ZAP.

Head of Software Development

2010–2019

Amadeus Leisure IT GmbH, Bonn

In this role, I managed up to 20 employees in software development at the Bonn location. I was also an IHK-certified trainer for IT specialists in application development. I led the transformation of the company into an agile organization and oversaw the migration of software solutions into the Amadeus Group. A key responsibility was leading travel agency solutions for the DACH market. From 2010 to 2014, I was also instrumental in developing and rolling out the “Trusted Reviews” platform internationally, providing verified hotel reviews from real travelers.

Team Lead in Software Development

2000–2010

pixell daten & design GmbH, Bonn

In my first position, where I later became a partner, I was part of a start-up specializing in digitalizing marketing processes in the travel industry. We developed the live pricing solution „pixell Travel Suite“ which was licensed by major companies such as Expedia, TUI, HRS, REWE, and RCCL. We also developed the first mobile app in Germany for booking package holidays, used by Expedia, TUI, and Kuoni. Our work was recognized with the Travel Technology Innovation Award and the Travel Industry Club Award.

Student

1995–2000

University of Bonn

Studied Diplom-Informatik (Computer Science)