

Alex

Software Engineer

Software engineer with experience building web applications, distributed systems, APIs, and cloud-based services. I enjoy designing reliable software, learning new technologies, and working across different programming languages and platforms. I have professional experience in both European and Japanese development environments and am particularly interested in backend systems, networking, and systems programming.

Professional Experience

Software Engineer

2024 – 2025

Japanese Software Company

Developed and maintained commercial software as part of a Japanese engineering team, working in Japanese. Contributed to full-stack development, feature implementation, debugging, and maintenance in an international environment.

Freelance Software Developer

2021 – 2023

Financial Advisory Client — Switzerland

Worked on software solutions for a financial services client, delivering features and technical improvements while collaborating remotely.

Earlier Experience

Various Companies

Completed several internships across enterprise software, IT services, and technology companies, gaining early experience in professional software development and engineering workflows.

Selected Projects

Mobile Application Platform *(In Development)*

Cross-platform mobile app for iOS and Android backed by a cloud-hosted API on AWS. Responsible for application flow, backend architecture, API design, cloud deployment, and client-server communication.

Technologies: AWS, REST APIs, backend services

Machine Learning for Archaeological Image Dating

Bachelor's thesis using machine learning to estimate the age of archaeological artefacts from images, combining automated dataset generation (web scraping) with image recognition experimentation.

Technologies: Python, TypeScript, JavaScript, machine learning

Blockchain Research Project

Designed and implemented a climate-neutral blockchain prototype using a block-lattice architecture and delegated consensus mechanism, with automated end-to-end testing.

Technologies: Rust, Docker

Education

B.Sc. in Software Engineering

2019 – 2023

University of Applied Sciences, Berlin

Intensive Japanese Language Programme

2023 – 2024

Osaka, Japan

Skills

Languages	Rust, Go, C#, Python, TypeScript, JavaScript, SQL
Backend	REST APIs, Distributed Systems, Client-Server Architecture
Cloud & DevOps	AWS, Docker, Git, Linux
Other	Machine Learning, Web Scraping

Languages

German	Native
English	Fluent
Japanese	Comfortable communicating in daily and technical settings