Daan E. Rosendal

Zurich, Switzerland

hello@daanrosendal.com — linkedin.com/in/daanrosendal — github.com/daanrosendal — daanrosendal.com

PROFESSIONAL EXPERIENCE

Cloud Solution Architect (Intern)
Feb 2025 – Aug 2025

Microsoft — Big Tech company empowering billions of users   Amsterdam, The Netherlands

- Designing and implementing cloud architectures for enterprise clients to create Azure solutions with high availability, security, and scalability, using Azure, Python, C#, PostgreSQL, Kubernetes, Docker, RabbitMQ and GitHub Actions
- Developed a multi-agent MCP solution for an enterprise client, using Python, Azure AI Foundry, and Semantic Kernel

Full-Stack Software Engineer (Intern)
Feb 2023 – Mar 2024

CERN — European Organisation for Nuclear Research | Open Data (700+ ⭐) ☐ | REANA (100+ ⭐) ☐   Geneva, Switzerland

- Built a system that improves on-demand production and publishing of the particle accelerator's open data streams, allowing physicists all over the world to access 55 petabytes of LHCb data, using Go, JavaScript, React and npm packaging
- Enhanced REANA with workflow-sharing functionality in the web UI and CLI, earning a Poster Award by popular vote at the 2024 Conference on Computing in High Energy and Nuclear Physics; used Python, Flask, Go, Conda and React
- Set up 3 robust DevOps pipelines with automatic redeployment using Kubernetes, Docker, Helm, and GitLab CI/CD

Owner (Side Hustle)
Jan 2017 – Jan 2024

Rocket League Training & Coaching Service   Remote, The Netherlands/Switzerland

- Leveraged my Rocket League skills as a top 50 player worldwide to help clients all over the globe obtain their desired rank
- Created and maintained a Discord server with over 500 customers which led to a 200% increase in orders

Full-Stack Software Engineer (Part-time)
Dec 2021 – Jan 2023

Print.one — Direct mail automation startup   Zwolle, The Netherlands

- Developed a scalable microservice architecture that is capable of handling 10,000+ simultaneous requests to automate printing and sending personalised postcards, using TypeScript, React, Next.js, Tailwind, C#, GCP, Docker and Terraform

Software Engineer (Part-time)
Apr 2021 – Dec 2021

Univé — Insurance company with over two million clients   Zwolle, The Netherlands

- Saved paralegals 20 hours per week by developing various single-page applications (SPAs) for the legal aid department (e.g., registering a legal case, adding documents to a legal case, filing complaints), using TypeScript and Angular

Software Engineer (Intern)
Feb 2020 – Jul 2020

Deltion College — Educational institution with over 20,000 students   Zwolle, The Netherlands

- Built a Progressive Web App (PWA) for the faculty of technology to replace the outdated WordPress website which led to a mobile traffic increase of 200% and a user satisfaction improvement of 75%, using PHP, Laravel and MySQL

Software Engineer (Intern)
Aug 2019 – Jan 2020

GWBO — Architectural engineering consultancy company   Kampen, The Netherlands

- Achieved a 400% improvement in architectural drafting efficiency by building two VBA applications that automated the engineering process of translating complex physics calculations to code

EDUCATION

Master of Science in Software Engineering
Sep 2024 – Jul 2025

University of Amsterdam | Top 5% of 80 students (Cum Laude/With Honours)   Amsterdam, The Netherlands

- Thesis within Distributed ML: Resolution Strategies for Client-Level Disagreements in Federated Learning ☐
- Courses: Distributed Computing, Software Maintainability, Requirements Engineering, Embedded Systems Design

Bachelor of Science in Software Engineering — Minor in Data Science
Sep 2020 – Jul 2024

Windesheim University | Top 1% of 500 students (Cum Laude/With Honours)   Zwolle, The Netherlands

- Won Swisscom's LauzHack 2023 challenge at EPFL ☐ with a customisable chatbot capable of leveraging self-hosted LLMs
- Courses: Data Structures & Algorithms, Design Patterns, Operating Systems, Discrete Mathematics, Statistics

Intermediate Vocational Degree in Software Development
Sep 2018 – Jul 2020

Deltion College | Top 1% of 200 students (Cum Laude/With Honours)   Zwolle, The Netherlands

SKILLS

Programming Languages: Go, Python, C, JavaScript, TypeScript, C#, Java, PHP, SQL, Haskell
Frameworks: React, Flask, Next.js, Angular, .NET, Laravel, Redux, Cobra, Click, Tailwind, Bootstrap
Tools: Git, Linux, Kubernetes, Docker, Helm, Redis, Terraform, Azure, Google Cloud Platform, UML, Scrum (PSM1)