

JINYAN SHAO

+41 77 482 36 23 jinyanshao@proton.me [LinkedIn](#) [GitHub](#) jinyanshao.ch

Software Engineer — Backend Development — C#/.NET — ASP.NET Core — SQL

Fribourg, Switzerland Swiss Permit B Authorized to work in Switzerland

PROFESSIONAL SUMMARY

Software engineer with around 1.5 years of commercial backend development experience, primarily with Python, FastAPI, SQL and workflow automation, including production Python services on AWS EC2. Currently specializing in C#/.NET business applications with ASP.NET Core, EF Core, SQL Server and Angular.

TECHNICAL SKILLS

- **Technologies:** C#, .NET 8, ASP.NET Core, EF Core, SQL Server, Python, FastAPI, PostgreSQL, REST APIs, SQL, Angular, TypeScript, xUnit, Docker, GitHub Actions, GitLab CI, Git, AWS EC2, AWS S3
- **Certifications:** AWS Certified Developer – Associate (2025); IBM Advanced Software Engineer (2019)
- **Awards:** Java Development Blue Bridge Cup Provincial First Prize & National Finals Merit Award; China National Scholarship in recognition of outstanding academic performance during undergraduate studies
- **Languages:** French (B2); English (B1); Chinese (Native)

PROFESSIONAL EXPERIENCE

Professional Development

May 2024 – Present

Language stay in Ireland and relocation from China to Switzerland; completed intensive French and English study, earned AWS Certified Developer – Associate, and continued C#/.NET and backend personal projects.

HR Business Partner

Mar. 2023 – May 2024

Junyi (Hong Kong) Digital Technology Co., Ltd.

Hangzhou, China

- Worked with hiring managers on role requirements and process design; used Python, Pandas, and SQL for HR data workflows and automation, reducing related manual processing by approximately **20%**.

Software Developer

Oct. 2021 – Feb. 2023

Hangzhou Starlink Engine Network Technology Co., Ltd.

Hangzhou, China

- Developed FastAPI services and internal tools across three backend modules supporting live-streaming and e-commerce operations, including API integrations, data workflows and automation.
- Automated a recurring workflow from around **40 minutes to 2 minutes** and built an API monitoring dashboard that reduced typical issue diagnosis from around **30 minutes to a few minutes**; production Python services ran directly on AWS EC2.

SELECTED PERSONAL PROJECTS

Helvetic Operations Platform

C#, .NET 8, ASP.NET Core, SQL Server, Angular

- Developed a multi-site work-order application with controlled lifecycle transitions, role-based workflows, SLA risk and audit history.
- Implemented optimistic concurrency using SQL Server `rowversion` and HTTP 409 conflict recovery; added automated tests, migration validation, generated API contracts and GitHub Actions CI.

Order Management API

Python, FastAPI, PostgreSQL

- Developed a multi-tenant order and inventory backend with RBAC, transactional workflows, row-level locking, idempotency, audit logging and concurrency tests.

EARLIER TECHNICAL EXPERIENCE

Software Application Developer Intern, Jin Yue Data Services (Shanghai) Co., Ltd.

Jun. 2021 – Jul. 2021

Python, SQL Server, Excel/CSV ingestion and batch processing.

IT Support Intern, Hangzhou Jin Sanyuan Advertising Co., Ltd.

Mar. 2021 – Jun. 2021

Game Development Intern, Shanghai Hyron Software Co., Ltd.

Jun. 2020 – Jul. 2020

Part-time Unity3D Instructor, Xin Song Middle School

Jul. 2019 – Dec. 2019

EDUCATION

BSc in Computer Science and Communication Systems, HEIA-FR

Starting Sep. 2026

Diploma in Software Technology (Zhuanke), Shanghai Lida University (Graduated 1st in the Program) 2018 – 2021