

Jinyan Shao

Fribourg, Switzerland

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Software Engineer - C#/.NET Backend - Business Applications. 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. Current engineering focus: C#/.NET, ASP.NET Core, EF Core, SQL Server and Angular. Based in Fribourg, Switzerland with a Permit B and full work authorization.

Technical Profile

- **Core:** C#, .NET 8/10, ASP.NET Core, EF Core, SQL Server, Python, FastAPI, PostgreSQL, REST APIs, SQL
- **Frontend / Delivery:** Angular, TypeScript, xUnit, pytest, Docker, GitHub Actions, GitLab CI, Git
- **Cloud:** AWS EC2, AWS S3 (commercial); Azure App Service (personal-project production deployment)
- **Certifications:** AWS Certified Developer – Associate (2025); IBM Advanced Software Engineer (2019)
- **Languages:** Chinese – Native; French – B2; English – Working proficiency

Professional Experience

- **Hangzhou Starlink Engine Network Technology Co., Ltd.** **Hangzhou, China**
Software Developer *2021-2023*
Developed FastAPI services and internal tools for live-streaming and e-commerce operations; built API integrations, data workflows and automation. Reduced a recurring workflow from about 40 minutes to 2 minutes and deployed production Python services on AWS EC2.
- **Junyi (Hong Kong) Digital Technology Co., Ltd.** **Hangzhou, China**
HR Business Partner *2023-2024*
Worked with hiring managers on requirements and process design; used Python, Pandas and SQL for HR data workflows and automation, reducing related manual processing by about 20%.
- **Ireland / Switzerland**
Professional Development *2024-Present*
Language study and relocation from China to Switzerland; earned AWS Certified Developer – Associate and continued C#/.NET and backend engineering projects.

Selected Engineering Projects

- **C#/.NET, ASP.NET Core Razor Pages, xUnit, Azure App Service**
Swiss Event Permit Assistant
Public web application for preparing Fribourg event-permit dossiers from reviewed official requirements, deadlines and source links. Production demo deployed on Azure App Service with CI/CD via GitHub Actions.
- **C#, .NET 8, ASP.NET Core, EF Core, SQL Server, Angular**
Helvetic Operations Platform
Multi-site work-order application with domain-enforced lifecycle rules, role-based workflows, audit history, optimistic concurrency and automated tests.
- **Python, FastAPI, PostgreSQL**
Order Management API
Multi-tenant order and inventory backend with RBAC, transactional workflows, row locking, idempotency, audit logging and concurrency tests.

Education

- **HEIA-FR | HES-SO** **Fribourg, Switzerland**
Bachelor of Science HES-SO in Computer Science and Communication Systems 2026-Present
- **Shanghai Lida University** **Shanghai, China**
Zhuanke in Software Technology (Bachelor equivalent) 2018-2021
Graduated 1st in the Program (Top 1%). China National Scholarship – Annual First-Class Academic Excellence Award – Shanghai Outstanding Graduate.

Earlier Technical Experience (2019-2021)

- **Software Application Developer Intern**, Jin Yue Data Services (Shanghai) Co., Ltd. (2021) – Built Python scripts for a data-governance platform, processing 20+ Excel/CSV files across departments into SQL Server.
- **IT Support Intern**, Hangzhou Jin Sanyuan Advertising Co., Ltd. (2021) – Configured and maintained Windows/macOS workstations; diagnosed software, hardware and network issues.
- **Game Development Intern (QA/Testing)**, Shanghai Hyron Software Co., Ltd. (2020) – Tracked 30+ defects in Jira during pre-release testing; Unity Editor-based regression testing cut defect verification time by ~25%.
- **Part-time Unity3D Instructor**, Xin Song Middle School (2019) – Taught C#/Unity3D to ~15 students, ~85% final-project completion rate.