

Jinyan Shao

Python Backend Developer / C#.NET Business Applications

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Computer Science BSc student at HEIA-FR with about 1.4 years of professional Python/FastAPI backend experience. I have worked on production APIs, data integrations and workflow automation; my independent .NET and Python projects make my engineering decisions inspectable.

Swiss B residence permit; authorised to work in Switzerland. Term-time availability: Friday; weekend work by arrangement.

Skills

Professional work: Python, FastAPI, REST APIs, SQL, MySQL, Pandas and data integration; contributed to GitLab CI and AWS deployments. Independent projects: C#, ASP.NET Core, EF Core, Angular, PostgreSQL, Docker and automated tests.

Relevant professional experience

Software Developer, Python Backend | Hangzhou Starlink Engine Network Technology · Hangzhou | Oct 2021–Feb 2023

- Developed and maintained three production FastAPI modules for business data, scheduling and third-party synchronisation.
- Integrated Douyin, WeChat and Taobao APIs; handled data imports and processing with Python, Pandas and MySQL.
- Automated a daily workflow from about 40 to 2 minutes; contributed to testing, code reviews and GitLab CI/AWS deployments.

HR Business Partner | Junyi (Hong Kong) Digital Technology · Hangzhou | Mar 2023–May 2024

- Supported technical hiring and requirements for data, BI and digital teams of 30–50 staff.
- Automated HR reporting with Python and SQL, reducing associated manual work by about 20%.
- Redesigned parts of the technical interview process, shortening the interview cycle by roughly one third.

Technical internships | Jinyue Data Services, Jinsanyuan Advertising, Shanghai Hyron · China | 2020–2021

- Built Python/SQL Server ingestion and validation for 20+ Excel/CSV files; supported Windows/macOS users; performed functional QA and defect tracking in Jira/Unity.

Selected independent projects

- Order Management API — FastAPI, PostgreSQL: transactions, idempotency and concurrency tests. [GitHub](#)
- Helvetic Operations Platform — .NET, SQL Server, Angular: business rules, roles and audit. [GitHub](#)
- Sales Data Pipeline — Python/Pandas: CSV validation and reconciliation. [GitHub](#)

Education and certification

BSc in Computer Science and Communication Systems, in progress — HEIA-FR / HES-SO, since Sep 2026.

Three-year Chinese tertiary diploma in Software Technology (Zhuanke) — Shanghai Lida University, 2018–2021.

Honours: first in the Software Technology major for three years; China National Scholarship; Shanghai first prize, Lanqiao Cup (2019).

AWS Certified Developer – Associate (2025–2028).

Languages: Chinese native; French B2; English B1; German beginner.