Alex Santonastaso

London, UK | +44 7570 280428 | alex@santonastaso.com | github.com/snts42 | santonastaso.codes

PROFESSIONAL SUMMARY

Software Engineer specialising in backend development, automation, and cloud infrastructure. Experienced in building full-stack web applications, automation tools, and CI/CD pipelines using Python, FastAPI, React, and AWS. Quick to learn new technologies, I enjoy solving real world problems through scalable, efficient, maintainable code and collaborating to deliver great products and services.

SKILLS

Languages & Tools: Python, JavaScript, Java, SQL, Git
Backend & Automation: FastAPI, Selenium, OpenPyXL, Pandas, REST APIs, Email Automation
Frontend & Web: React, HTML, CSS, TailwindCSS
Cloud & Infrastructure: AWS, Terraform, Docker, GitHub Actions, CI/CD
Soft Skills: Problem Solving, Team Collaboration, Agile, Effective Communication

WORK EXPERIENCE

Intech Centre (National Careers Service Partner) — London, UK
Software Developer — Jun 2024 – Present
- **Designed and implemented an exam results system**, improving reporting speed, accuracy, and turnaround.
- **Automated** exam results **emails** via booking API integration, **improving response time** and **staff efficiency.**
- **Built Python automation tools** using Selenium and Pandas to handle repetitive admin tasks, **eliminating 40+ hours of weekly manual work.**
- **Automated data entry, form submissions, and reporting** to support data-driven decisions and audit readiness.
- Managed bookings, enquiries, and scheduling systems for private exams, maintaining smooth service delivery.

Queen Mary University of London — London, UK
Lab Demonstrator — Sep 2023 – Apr 2024
- **Offered individual support to students** in writing and debugging Python code for Machine Learning projects.
- **Helped students understand software engineering concepts**, including data structures and algorithms.

PROJECTS

Secure File Sharing Application – GitHub | Live
- Built a full-stack secure file sharing platform using **Gatsby (React), FastAPI, and AWS**, with temporary links, download limits, and automatic cleanup.
- Deployed infrastructure with **Terraform**, implementing scalable cloud hosting and reducing manual setup and maintenance tasks.

E-Volve Results Automation – GitHub
- Developed a **Python automation tool** (Selenium, Pandas, OpenPyXL, cryptography) to securely download exam results and PDFs, reducing manual processing and errors.
- Automated exam results emails via **Amelia API**, eliminating hours of weekly manual work and improving turnaround for staff and candidates.

EDUCATION

Queen Mary University of London — London, UK
Master of Science in Big Data Science with Machine Learning Systems, **Distinction** — Jan 2022 - Jan 2023

University of Westminster — London, UK
Bachelor of Science in Computer Science, **First Class Honours** — Sep 2018 - Sep 2021