**Alex Santonastaso**

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**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**](https://github.com/snts42/files.santonastaso.codes) **|** [**Live**](https://files.santonastaso.codes/)

* 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**](https://github.com/snts42/evolve-results-automation)

* 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