Finn Lestrange

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EDUCATION

University of Glasgow Glasgow, UK
BSc in Computing Science (Faster Route) - 3nd year *Sep. 2022 – Present*

International School Aberdeen Aberdeen, UK
International Baccalaureate DP; 39 Points; Comp Sci HL: 7, Maths AAHL: 7, Physics HL: 6 *Aug. 2020 – May. 2022*

EXPERIENCE

University of Glasgow, School of Computing Science Glasgow, UK
Full Stack Software Engineer *May 2023 - Present*

- **Deploying & Maintaining SAML SPs**: A new part of my role includes maintaining and updating GUSSs key authentication provider running RHEL & Shibboleth SP. I help other developers to integrate their applications with Shibboleth alongside providing technical support and maintenance.
- **Working as part of an agile team**: I've worked as part of an agile software engineering team, from front-end development, back-end engineering and system upgrades and maintenance. I also have extensive experience using the kanban system for team organization.
- **Azure Management & Migrations**: I have been working on setting up new Azure Cloud infrastructure for my current project, this has involved deploying database servers, virtual machines and other azure resources such as the application gateway.
- **CI/CD Engineering**: I have worked extensively on revamping the CI/CD pipelines, ensuring high quality code testing and coverage, alongside building robust deployment and testing pipelines.

International School Aberdeen Aberdeen, UK
Software Developer & IT Support *Feb 2019 - Present*

- **Java & Google API**: I worked on creating custom back-end Java code to be run on the production Oracle DB Server, that worked using custom exports to upload files to shared drives in Google Enterprise.
- **Oracle SQL**: I work on writing SQL queries for teacher / admin reporting and exporting data to be used by other applications and by the custom scripts for Google Apps. I also have experience applying updates and making large scale production database changes.
- **Google Apps Script & Cloud Functions**: Google Cloud Functions were used to automate many tasks for departments around the school. Such tasks included, automating the admissions process for collating student documents and medical information into one uniform database table linked to files stored in the enterprise drive.
- **General IT Support**: I was heavily involved in maintaining systems and networks. Hardware and software updates for servers, maintaining and helping staff use the schools information systems. I was also tasked with new device enrollments and policy updates alongside assigning and giving out devices to new staff and students.

PROJECTS

- **Internet of Things Dashboard - RFIoT (Vite, React, FastAPI, MongoDB (Cluster))**: I worked closely as a new engineer for a customer RFIoT. The system I designed and built allows for management of buildings, rooms, users (including permission levels) and interfaces with their existing embeded systems to recieve and display realtime updates. - dashboard.rfiot.uk
- **Personal Portfolio (React.js)**: I have rewritten my personal portfolio in react.js with tailwind css, I have made use of pre-made and custom components to create a dynamic and smooth user experience with features such as dark / light mode and smooth animations. - finnlestrange.dev
- **Custom PowerSchool SIS Plugins & Database Extensions**: Creation of custom plugins to extend the functionality of the Powerschool School Information System to the additional requirements of the school. I made use of Oracle SQL and Javascript, alongside some graphic design to create user friendly and polished plugins - Source Code: InternationalSchoolAberdeen/ISAPowerSchoolPlugins

PROGRAMMING SKILLS

- **Languages**: Java, JavaScript, Python, TypeScript, SQL, LaTeX **Technologies**: React, FastAPI, Azure, Vite