Adam Blackwater

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Personal Statement

Software engineer with professional experience in back-end software development, and a Computer Science background.

Worked across teams to deliver public facing code and internal tools. Effective team member, thoroughly enjoy the collaborative aspect of software development.

Skills

SQL	REST	AWS/GCP	cURL	Python	Redis	Micro services
Git	TDD	CI/CD	Linux	atiohttp	Postgres	API desing & documentation
SSH	Java	Kubernetes	HTTP	PyTest	Docker	Pair programming

Work Experience

WayHome | Back-End Software Engineer

Developed containerised micro-services orchestrated using Kubernetes. Wrote services for consumption by the data team to aid in creating data models.

Integrated third-party RESTful API's and wrote a service to automate a business process, freeing up valuable customer facing employee time.

Education

Computer Science; First-class honours | The University Greenwich - 2019

Won lead student representative role in first year. Chaired meetings, and took sole responsibility of producing a document for review by senior staff and external observers.

Projects

A Chess Portable-Game-Notation (PGN) Analysis Tool | *Rust*

▷ Command line program that iterates over PGN files in a directory.
▷ Parses PGN files and returns win/loss/draws against opening moves played.
▷ Used TDD throughout development.
▷ Learnt Rust while developing this tool.

Open Risk | *Python - aiohttp - MySql*

▷ Collaborating with others developers remotely
▷ Writing asynchronous Python code
▷ Graph data structure for data modelling

Optimisation and Scheduling Software | *thesis*

▷ TTD based project using OOP principals. Used the MVC design pattern. Made use of the Flask framework for front-end, and Python for the back-end.
▷ Applied a genetic combinatorial optimisation algorithm to optimise a scheduling problem.
▷ System read/writes MySQL database. Queries database, result given to algorithm to automate schedule creation.