

AUSTIN HAMEL

+44 7759 612696 | austin.hamel@outlook.com | github.com/austham | Newcastle upon Tyne, UK

PROFILE

Recent Bachelor of Computer Science graduate with strong foundations in backend development, cloud computing, and data engineering. Eager to contribute to innovative projects and proven ability to adapt quickly to new technologies through a commitment to continuous learning. Open to relocation anywhere in the UK.

CORE COMPETENCIES

Languages and Frameworks:	Python, Java, Go, Unix Shell, Flask, Django, Pytest
Tools and Services:	AWS, Azure, Linux, CDK, Terraform, Docker, Git, Atlassian Suite
Databases:	MongoDB, PostgreSQL, SQLite, MySQL, AWS DynamoDB, AWS RDS
Techniques:	CI/CD, OOP, Agile, Microservices, REST APIs, TDD, SDLC

PROFESSIONAL EXPERIENCE

Back End Developer Intern — Rimot.io Inc., Nova Scotia, Canada May 2022 - Dec 2022

- Developed a serverless ETL system using AWS Lambda to extract vessel sensor data, transform it into readable format, and store it in S3, with the choice to use serverless resulting in dramatic cost savings.
- Rebuilt existing Cloud-based solutions using IaC tools such as CloudFormation templates and CDK to automate deployments and increase repeatability.
- Implemented CI/CD pipelines in Bitbucket Pipelines to automatically build and test code in Docker containers, and automatically deploy Cloud infrastructure.
- Built the back end of a client-facing vessel data visualization application using Flask to build endpoints for retrieving data from AWS S3.

Software Developer Intern — Rimot.io Inc., Nova Scotia, Canada Sept 2021 - Dec 2021

- Developed a monitor for IoT devices using AWS IoT Core and Lambda to handle MQTT lifecycle events and to send notification emails via AWS SNS, allowing for the monitoring of all deployed IoT devices.
- Contributed to an APT repository to host company packages for the development team allowing for easy distribution of updates for internal scripts and tools.
- Performed QA testing on in-house REST APIs using Postman to ensure that HTTP requests are properly handled.
- Wrote many miscellaneous Bash scripts to help automate small tasks such as Raspberry Pi Cronjobs and automatic data extraction.

EDUCATION

Bachelor of Computer Science — Dalhousie University, Nova Scotia, Canada Sept. 2019 - Sept. 2023

Notable Coursework ([Repo](#)): Cloud Computing, Advanced Networking, Data Structures and Algorithms, Network Security, Advanced Databases, Systems Programming, Object Oriented Programming, Operating Systems

PROJECTS

Tapedeck-PI ([Repo](#)) — Python application to replicate physical media playback using a Raspberry Pi and an RFID reader to interact with the Spotify API. Spotify album IDs are written to NFC tags to be read and played.

CERTIFICATIONS

AWS Certified Cloud Practitioner Aug 2023
Verification: N58WWZ2CX2B1QB9Wv