

Oktarian Tilney-Bassett

Website | GitHub | LinkedIn

EDUCATION

The Hong Kong University of Science and Technology

Sep 2019 – May 2023 | Hong Kong

Bachelor of Engineering in Computer Science

- Grade: First-Class Honors
- Exchange Semester at the University of Southern California (Spring 2022 - GPA: 4.0/4.0)

SKILLS

Languages

Go, JavaScript, Java, C#, Python, SQL

Technologies

AWS, Docker, Grafana, Prometheus, Kubernetes, gRPC, OpenAPI

General

REST APIs, SQL/NoSQL Databases

EXPERIENCE

Palantir

Aug 2023 | London, UK

Software Engineer

Amazon

Nov 2022 – Feb 2023 | London, UK

Software Engineer Intern - Catalog Orchestration Platform Team

- Created an internal centralized configuration platform for a critical component of the catalog pipeline, enabling downstream users to view and edit their configuration without intervention from operators
- Reduced the likelihood of new incidents happening due to configuration errors and miscommunication, increased ownership of the configuration by the associated teams, and decreased operating burden
- Implemented strong security mechanisms including authentication, granular role-based access control, two-person review consensus, and clear audit history of changes

Improbable

May 2022 – Oct 2022 | London, UK

Software Engineer Intern - Game Server Orchestration Team

- Led the migration from cluster-specific to region-based game servers to improve operations and enable zero-downtime cluster migrations without requiring any customer action
- Streamlined the customer experience by designing and implementing new features such as the ability to disable computing resource allocations and a CLI-based mock API server that enables customers to test their games locally
- Created and documented a demo game that integrates different multiplayer services to help customers onboard effectively

Gearset

Jun 2021 – Aug 2021 | Cambridge, UK

Software Engineer Intern - Deployment Pipelines Team

- Expanded the deployment pipeline offering by adding support for Bitbucket
- Developed a new multi-step wizard to guide customers through the creation of deployment jobs
- Created an internal dashboard to display business-critical metrics for monitoring pipelines activity and usage

University Campus Map

Oct 2020 – May 2021 | Hong Kong

Software Engineer Intern (Part-Time)

- Re-designed the mobile website user interface and integrated new pathfinding and localization features, helping thousands of students find their classes more easily

PROJECTS

Stock Trading Simulator

Go, JavaScript, ReactJS, PostgreSQL, Docker, AWS, GitHub Actions

- Built a full-stack application that allows users to simulate trading on the stock market
- Implemented a RESTful API backend, a dynamic dashboard frontend, user authentication, and database management
- Created a CI/CD pipeline to automatically deploy the application to AWS