George Honeywood

@ contact@george.honeywood.org.uk   🔗 george.honeywood.org.uk   ⬡ @GeorgeHoneywood   in George Honeywood

Software Engineer. Currently studying Computer Science at Royal Holloway.

Experience

Junior Software Engineer

Cudo

📅 July 2021 – July 2022   📍 Bournemouth, Dorset

- Helped develop their first Go microservice, as part of an agile team. This reduced risk exposure when exchanging user balances.
- Added metrics to track performance data, using Prometheus and Grafana.
- Worked on their Vue.js web app and Loopback-based API, fixing long standing bugs and issues in the platform.
- Implemented a Docker based testing workflow to ensure correctness in database interactions.

Junior Systems Administrator

Royal Holloway Physics Dept.

📅 Oct 2019 – July 2021   📍 Egham, Surrey

- Migrated from legacy Nagios monitoring system to Icinga to ensure service continuity. This included setting up Icinga Director, which allows new hosts to be added through a web interface.
- Installed & imaged rack mounted servers for use within a Hadoop compute cluster

*References available on request.

Education

Higher

Royal Holloway, University of London

📅 September 2019 – July 2023   📍 Egham, Surrey

- 4th year of BSc. Computer Science with Year in Industry
- Currently completing my Final Year Project, an Offline HTML5 Maps application

A-Levels

Bournemouth School Sixth Form

📅 September 2017 – August 2019   📍 Bournemouth, Dorset

- Computer Science (B), Geography (B), Resistant Materials (C), and Physics (D)

Interests

- Using and contributing to free & open-source software
- Editing OpenStreetMap, using JOSM or Every Door
- Volunteered with the Scouts as a Young Leader
- Amateur photography

Projects

Web Music Player

- Created a Spotify-like online music player for your private music collection, with a Go backend and a Vue frontend. Has an album artwork view, and you can queue up songs.

The Good Map

- Collaboratively developed a cross-platform mobile app (in Flutter) to allow people to find environmentally friendly establishments, using data from OpenStreetMap.

Employee Appraisal System

- Worked as part of a 4 person team to create a web app, designed to evaluate employees of a company.
- Developed an API in Flask to conform the Requirements Specification and Design Description.
- After development was completed, wrote an Acceptance Testing report, for a delivered solution from another team.

Hackathons

- **PubHub** - collaborated on a tool designed to find the optimal route for a pub crawl, providing a solution for the travelling salesman problem.
- **Metamap** - developed a location based social media app for Android, with the concept of only showing posts within a certain radius of the user.

Homelab

- I administrate a headless server which hosts utilities and storage for my home network. It runs Proxmox VE as a hypervisor, with ZFS to provide storage.
- Each service runs in a separate LXC container, to ensure isolation & security. It also enables me to safely update programs, as you can roll back if issues occur.
- NGINX is used as a reverse proxy, to allow external access to internal services, such as a Nextcloud instance.

VPS

- I use a small VPS to run other services, like Gitea, which is used to host Git repositories for projects that I am developing.
- As it has a fast internet connection, I also use it as a VPN (through WireGuard) to protect my traffic on unsecured Wi-Fi.

Skills

Go
TypeScript
Python
Java

Linux
Git