

# Hugh Wells

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The Old Milking Parlour, Peterborough, UK, PE8 5DY

## Employment:

### *WORTH*

- Site Reliability Engineer: March 2021

### *London Borough of Hackney*

- Senior Developer: September 2020 - March 2021
  - Working on API platform to deliver standardised endpoints integrating with a number of legacy backing services
  - Migrating legacy databases to Postgres on RDS
  - As part of cybersecurity incident response, provisioning GSuite as IDP in AWS SSO and providing federated login to downstream critical business applications
  - Working as part of a DevOps/SRE team to restructure infrastructure in AWS accounts and provide new CI/CD Terraform pipelines and improved monitoring and alerting

### *Ministry of Justice - Judicial Appointments Commission*

- Junior Developer: June 2020 - August 2020
  - Working on improving DevOps
    - Planning CI/CD pipeline replacement
    - Exploring options for a Firebase migration
  - Delivering code to support business use of the application
  - Led requirements analysis, design and implementation of Qualifying Tests project
  - Carried out operational security review and worked to plan and implement required changes as part of ongoing penetration testing and Internal Audit reporting

### *Underland*

- Software Engineering Intern: Summer 2019
  - Python Severless integrating with RDS, S3, Cognito and externally with Adyen and Twilio
  - Carried out user research, designed and architected solutions and worked on a number of backend components such as payments, SMS and core systems

### *Monzo*

- Customer Operations: November 2017 - May 2018
- Second Line technical & payments, May 2018 - September 2018
  - Internal tooling in React & backend with Go
  - Traced bugs, patched code and added new features to our codebase
- Mastercard Fraud & Dispute Specialist, September 2018 - May 2020
  - Weekend disputes Expert
  - Mastercard Arbitration, Compliance and technical Case Filings

## Education:

*iGCSEs/GCSEs:* Maths, Physics, Chemistry, Biology, Geography, History, Computer Science English, French, Religious Studies

*A Levels:* Computer Science, Electronics *AS Levels:* Maths *Pre-U:* Physics

*Degree:* Computer Science BSc Hons. First Class - Royal Holloway, University of London

## Other Qualifications:

I hold an EASA Private Pilots Licence with Restricted Instrument Rating, Night Rating and Class 2 Medical.

Certificate in Retail Banking: Conduct of Business (CertRBCB, LIBF)

Mastercard Academy: Chargeback and Dispute Resolution workshop

## Technical Experience

- JavaScript: React, Vue, NodeJS
- Java/C#
- Python (Flask)
- PHP (LAMP/LEMP)
- Bash/Shell scripting
- Maintain personal Proxmox datacenter nodes (Debian/Ubuntu experience)
- UniFi/Ubiquiti networking
- Full CI/CD pipelines with GitHub, CircleCI, DeployBot, Heroku, Digital Ocean and AWS
- EC2/Droplet configuration and high level of exposure to Linux
- Experience in both AWS and GCP for serverless deployment, and other applications
- AWS Control Tower and federated identity management (AWS SSO, IAM)
- IAC: Terraform, CloudFormation
- ElasticSearch, Postgres, MySQL

## Freelance Clients:

### **CodeGroovers**

RHUL CompSci Student Developers - contractor

### **Madcast Media Network ([madcastmedia.com/account](https://madcastmedia.com/account))**

### **JOQ/Social Billboard**

Lead Backend Developer: full CMS, ordering system, payment integration (Braintree) and API

### **JOQ/Channel 5 The Gadget Show & Fifth Gear ([fifthgear.tv](https://fifthgear.tv))**

Contractor for API endpoints and CMS integration

### **Goodyear ([goodyear.com](https://goodyear.com))**

Research and Development

### **Rebel Uncut ([rebeluncut.co.uk](https://rebeluncut.co.uk))**

Developer working on multiple projects, both in house and for corporate clients

### **Rewired State ([rewiredstate.org](https://rewiredstate.org))**

In house developer

## Sideprojects:

### **SwagShipHack.dev**

Swg shipping for hackathons and events during the Covid-19 pandemic

## Hackathons:

Cisco University Challenge 2017 ([1st place](#))

Hack The Midlands 2.0 ([Nexmo Sponsor Challenge](#), [Majestic Sponsor Challenge](#), Hacker Spirit Award)

Hack The Holidays 1.0 (Hacker Spirit Award), Hack The Holidays 2.0 ([GitHub Sponsor Challenge](#))

BrumHack 5.0 - ([CapitalOne Sponsor Challenge](#))

UKGovHack

Accountability Hack ([Winner](#))

RLSB Hack ([1st place](#))

YRS 2015, YRS2014 , RS2013 (Semi-Finalist)

**Organiser:** [RoyalHackaway](#) (Lead), [UKGovcamp](#), [HackTheMidlands](#), [RebelMakersCamp 2016](#)

**GitHub Campus Expert:** [githubcampus.expert/crablab](https://githubcampus.expert/crablab)