



# Abdullah Hasan

Software Engineer

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## Summary

I am currently a software engineer in an enterprise level company looking for the next challenge in my career. I would describe myself as enthusiastic, sociable, and a driven team player. I am always looking to learn and develop, especially through facing difficult challenges. I take pride in helping out wherever I can to ensure goals are met and I am not shy about asking for help and guidance. My long terms goals are to be involved in the renewable energy sector and to see Max Verstappen win the championship.

## Other Interesting Things

- British National
- Full UK Driving License
- Developing [www.logos.wtf](http://www.logos.wtf) for fun

## Work experience

### Software Engineer

#### CloudPay

2021/04 - present

In addition to previous responsibilities...

- Developed a Python based platform to quickly view trends in support incidences
- Responsible for adding new features into the Spring Boot Java application
- Carried out bugfixes and extended Java unit tests using JUnit and Mockito
- Carried out investigations into support incidences
- Helped train newly onboarded engineers
- Created and revised technical documentation on Confluence
- Created and deployed microservices into AWS Lambda
- Carried out code analysis to improve code base using PMD
- Created SQL scripts to quickly identify data-related issues within database

### Graduate Software Engineer

#### CloudPay

2020/11 - 2021/04

- Responsible for investigating and resolving live support incidences and ensuring payroll flow meets deadlines
- Responsible for fixing incidences via SQL scripts when possible
- Introduced the use of statistical analysis to understand support incident trends
- Responsible for helping manage high priority incident response

### Part time IT Engineer

#### ITSurveillance, Luton, UK

2015 - 2020

United Kingdom

- Initially level one tech support
- Assisted on research and development for redeployable camera systems
- Contracted out to help complete projects for various other companies

### Teaching Assistant

#### Queen Mary University of London, London, UK

2017 - 2020

London, England, United Kingdom

Initially carried out basic teaching assistant duties including helping and guiding students. This later transformed into senior teaching assistant duties for specific modules such as Big Data Processing and Security Engineering.

## Skills

### Python 9

Experienced in using Python in various contexts including machine learning (TensorFlow, Jupyter-Lab, Kaggle), statistical analysis (numpy, pandas, scikit), and APIs (fast-api, flask).

### Java 8

Experienced with using Java in frameworks such as SpringBoot as well as prototyping PoCs for product owners. Some experience with unit testing Java code using JUnit and Mockito.

### AWS 5

Some experience using AWS to host EC2 instances, deploy Lambda applications, and configure IAM roles, security groups and VPCs.

### Docker 5

Some experience containerizing applications and PoCs so that anyone can run and test them. This includes bundling services together using docker-compose.

### JavaScript & TypeScript 3

Some experience using JS and TS for personal projects ( see logos.wtf ). This includes backend development with express.js for API routes and Prisma DB.

## Education

### ● Postgraduate - MSc Machine Learning for Visual Data Analytics - Merit

#### Queen Mary University of London

2019 - 2020

- Merit grade in a Masters degree with a focus on computer vision
- Completed MSc project on the "Detection of Intracranial Hemorrhages using CNNs"
- Significant modules include
  - Deep Learning and Computer Vision
  - Machine Learning
  - Image Processing

### ● Undergraduate - BSc Computer Science - First Class

#### Queen Mary University of London

2016 - 2019

- First class degree with honours
- Project was on "The modernization of politics through mobile applications"
- Significant modules include
  - Advanced data structures in an object oriented framework
  - Software Engineering
  - Big Data Processing
  - Embedded Systems

### ● A Levels

#### Luton Sixth Form College

2014 - 2016

Statistical Maths, Biology, Computing

## Languages

### English 10

Native

### Arabic 3

Conversational

### Turkish 4

Conversational