

## Haffi Mazhar

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Software engineer with 3 years experience with Python backend development along with a keen interest in frontend and Performance engineering. Driven to make interesting open source contributions.

### Skills

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- Python | FastAPI | Flask-Admin | PostgreSQL | Javascript | Typescript | Rust | React native | Vue | Node | Git
- Docker | Kubernetes | Redis | RQ | Prometheus | Grafana | RabbitMQ | Linux | BDD | Perf-testing | CI/CD
- Microservices | Distributed Systems | Backend | Frontend | Infrastructure - *All professional proficiency*

### Experience

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#### Python Developer

[Bink](#)

01/2022 - Present

- **API Development:** Involved in designing and building APIs and background workers to meet retailer specific requirements for an out of the box solution for digital loyalty schemes. The product is built with cutting edge technologies such as FastAPI, Postgres, Redis, RabbitMQ and more.
- **Retailer launch:** The focus in the later part of the year being on an ASOS launch, where in some cases, directly responsible for developing and deploying features which resulted in 10,000s of vouchers being issued to customers.
- **Internal tools:** Contributed to internal tools which are used to automate and improve developer productivity across the team. Such as building database population scripts for easier performance testing and local development for the team.
- **Supporting team members:** Frequently helping juniors and members of the development team in not only debugging and identifying root causes for bugs but also designing technical solutions for problems.
- **CI/CD:** Have taken ownership of many features, got them deployed through environments to production and followed up with monitoring of systems.
- **Automated testing:** Heavily involved in building and maintaining the tooling used for a BDD automated test suite. This ranges from solutions to automate certain build processes to code reviews resulting in the enablement of the QA team and increased confidence in releasing features.

#### Performance Engineer

[Sky](#)

09/2021 - 12/2021

#### Associate Performance Engineer

[Sky](#)

11/2019 - 09/2021

- **Sky Identity Platform:** Focused on ensuring optimal performance of Sky's identity platform which has reached spikes of up to 10 million concurrent users.
- **Peacock Streaming Service:** Worked on resilience improvements to the identity platform to enable usage for NBCUniversal's customer base for the launch of its new streaming service. This project allowed me to develop expertise with DevOps solutions by deploying applications by utilising Kubernetes, Jenkins, and other tools.
- **Developing new framework:** Worked on improvements to Sky's in-house performance testing framework and maintaining it as open-source software. Worked on features which added capabilities for the framework to be used for performance testing backend microservices for volumes of up to 15 million concurrent users. This allowed me to work on developing new solutions and concepts such as Chaos engineering and Failover testing.
- **Performance:** Making sure new versions of identity platform applications meet the performance benchmarks. Taking and deciding on appropriate actions such as scaling up deployment services, resource allocation, and load balancing to improve the performance of web requests.

#### Mechanical Engineering Consulting Intern

[Arup](#)

07/2019 - 08/2019

- **First-hand experience:** Worked as a summer placement student in the MEICA team at Arup.
- **Digital & Automation:** Aided in the automation of design check calculations using C++.

### Education

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University of Leeds: MSc Engineering, Technology and Business Management

2018-2019

University of Nottingham: BEng Mechanical Engineering

2015-2018

### Interests & Hobbies

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- **University of Nottingham 1<sup>st</sup> XI and Carrington Cricket Club 1<sup>st</sup> XI**
- **Photography:** Keen photographer and editor familiar with Adobe Creative Cloud.