Haffi Mazhar

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Skills

- 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

Python Developer | **Bink** | **01/2022 - Present**

- **API Development:** Involved in designing and building new APIs with the goal of meeting retailer specific business requirements for an out of the box solution for digital loyalty schemes. Utilised my skills in FastAPI, Postgres, Redis, RabbitMQ as part of this development
- **Retailer launch:** Responsible for developing and deploying features which resulted in 10,000s of vouchers being issued to customers as part of ASOS retailer launch of this product.
- **Internal tools:** Developed improvements to internal tools used to automate developer activities, leading to better productivity across the team. This included building database population scripts for easier performance testing and local development of the team.
- **Supporting team members:** Frequently requested by others to support the wider development team with debugging issues, including identifying the root cause and designing technical solutions to resolve these issues.
- **CI/CD:** Responsible for many product features which includes end-to-end oversight through design, test, deployment, in-production including ongoing monitoring and support..
- **Automated testing:** Responsible for onboarding a new member to the team for QA. Primary focused on improving tooling used for an automated test suite. This includes development of solutions to automate build processes, detailed code reviews and answering general questions to unblock QA.

Software Engineer - Performance | **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. This involved a release testing new versions of applications and ensuring no degradation of performance metrics such as latency and resource usage. Responsible for blocking releases if performance KPIs are not met by communicating to the wider team
- **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 by deploying applications to cloud platforms utilising Kubernetes, Jenkins, and other tools.
- **Developing new framework:** Responsible for developing features which added capabilities to **sky's in-house performance testing framework**, to be used on applications ranging from traditional backend microservices to messaging focused (RabbitMQ consumers) for volumes of up to 15 million concurrent users. Maintained the platform and developed cutting edge solutions and concepts relating to chaos engineering and failover testing.
- **Performance:** Based on the metrics from testing. Responsible for taking appropriate actions, such as scaling up deployment services, resource allocation, and load balancing, to improve the performance of web requests.

Mechanical Consulting Intern | **Arup** | **07/2019 – 08/2019**

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

Education & Certifications

Udemy: Fundamentals of Database Engineering | **12/2022**

University of Leeds: MSc - Engineering, Technology and Business Management | **2018-2019**

University of Nottingham: BEng - Mechanical Engineering | **2015-2018**

Interests & Hobbies

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