



SAIF HUSSAIN

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Education

University of Birmingham (Current)

Sep 2021 – Jun 2026

Joint Honours BSc in Mathematics & Computer Science

Birmingham, UK

- Data Structures & Algorithms (77%), Mechanics (84%), Functional Programming (72%)
- Operating Systems (On track for 1st), Security & Networks (On track for 1st)

Imperial College London (Incomplete)

Oct 2017 – Jun 2019

Mechanical Engineering (MEng) - Thermo-Fisher Scholarship

London, UK

Brentside High School

Sep 2015 – Jun 2017

A-Level: A, A*, A* in Mathematics, Further Mathematics, Physics*

London, UK

Relevant Projects

Prayer Time API | Python, Pydantic, FastAPI

Sep 2024 – Present

- Building an open-source API from scratch to provide accessible prayer time data for the local community

Pharmacy Stock Checker | Python, Playwright, Cron, Telegram bot API

Aug 2024 – Sep 2024

- Self-hosted a cron-scheduled stock checker on a Debian server which notifies the pharmacy when medications are in stock - something no other pharmacy in the area has
- Incorporated the Telegram bot API to notify users on all devices for maximum convenience and minimal setup costs

hmopropertylicensing.co.uk | Handlebars.js, Wordpress, SQL, Google Apps Script

Jun 2020 – Jun 2021

- Developed the first unified, web-based HMO (Housing Multiple Occupants) application form across boroughs in London, improving efficiency and user experience
- Incorporated Google API's to implement a cloud-based solution for storing tenancy agreements and documents, enhancing accessibility and data management
- Re-designed entire website, with interactive maps, informing users of obscure property compliance details in a clear way
- Introduced automated rent payments and online application form payments, reducing transaction time by 100%

Immige | Laravel, Git, SQL, Docker

Sep 2019 – May 2020

- Implemented automated git workflow by linking ClickUp tickets & Git branches, reducing wasted company time by 10%
- Integrated Amazon S3 buckets into the application to enhance asset storage efficiency and developer accessibility
- Set up Docker builds and streamlined Jenkins builds for the application

Work Experience & Volunteering

Expert Tuition - Tuition Company

Sep 2022 – Present

Frontend & Email Developer

London, UK

- Created marketing email templates using MJML and Parcel, saving the company over 2 hours a week
- Developed template system using ACF (Advanced Custom Fields) for streamlined past paper upload & front-end display, with no code changes needed, resulting in cost savings of over £4500
- Analysed nationwide school and examination board data to tailor digital content, saving over £2000 monthly

Mantiq Ltd. - Tech Consultancy

Sep 2019 – May 2022

Web Developer

London, UK

- Revamped websites & enhanced digital marketing content for diverse clients, including charities and actors
- Collaborated with vendors to integrate online payment solutions, identifying suitable options while considering regulatory constraints (e.g. tobacco products)

Muslim Student Council - Charity

Sep 2017 – Jun 2019

Treasury Team

London, UK

- Aided in raising over £2500 for a nationwide book publication initiative, improving negotiation skills
- Led a workshop on managing finances to 15 university societies around the country, with combined budgets of £30,000
- Liaised with accountants and tax advisers to decide the most suitable charity structure for the organisation

Technical Skills

Programming Languages: C, Haskell, Python, JavaScript, CLI, LaTeX, HTML/CSS

Frameworks: WordPress, Handlebars.js

Developer/Designer Tools: Git, Linux, Docker, Google Cloud Platform, VS Code, IntelliJ, Figma, Canva

Spoken Languages: English (fluent), Arabic (fluent)