Ramin Tawab

ramintawab@hotmail.co.uk
ramin314.github.io

Education

2016 – 2020: University of Warwick:
Integrated Masters in Mathematics and Physics 2:1

Certifications: AWS Certified Developer, Solutions Architect, and DevOps Engineer

Skills

- Python and JavaScript specialist with a firm grasp of ecosystems and best practices.
- Extensive cloud experience (AWS, Azure, GCP).
- Highly productive with a reputation for solving problems in an elegant and creative manner.

Experience

Jul 2020 – Present: Full Stack Developer at Lambert Labs

- Designed, developed, and maintained key progressive web applications for Boost Technology Ltd., including a product catalogue, order management system, and delivery app using Flask, Tailwind and React. Worked closely with the CTO to empower retailers across Africa.

- Built an ETL pipeline and OpenAI powered RAG pipeline on AWS, enabling a US based client to query Graph Databases with natural language. Created an interactive graph visualisation portal which serves as their main product offering.

- Reworked the React/TypeScript frontend for Lawyers on Demand based on provided Figma designs, resulting in increased sales tracked by Google Analytics. Reduced Azure CI/CD pipeline times from 20 minutes to 3 minutes, significantly lowering operational costs.

- Built an MVP for the Bat Conservation Trust of an audio upload API and Django management app that is robust against network failure and scalable to terabytes of data. This Contributed to Lambert Labs winning the AWS Sustainability Partner of the Year Award in 2024.

- Worked with many more startups as well as larger corporations like Mastercard and Cisco Meraki. Scoped requirements, wrote statements of work, and led projects to completion. Mentored team members in frontend technologies, raising the technical expertise of the team.

Jun – Sep 2019: Full Stack Developer Intern at BMLL Technologies

Tasked with implementing agent-based models of financial markets from academic research, I identified key flaws and developed a Python library to evaluate and improve these simulations. This library became a client offering, surpassing the expectations of the company's founder.

Jan – May 2019: Full Stack Developer and Co-founder at BookB

My demo of a library book delivery system deployed to AWS as a Django app secured BookB an investment offer from Y Combinator from over 10,000 startups and subsequent acceptance into the Public startup accelerator from over 300 startups.

Oct – Dec 2018: Full Stack Developer at AITutor

Automated the generation of A-Level Statistics exam questions for students to revise from and monitor their progress. Consistently rated as the most productive developer using Typescript and React.

Jul 2017: Freelance Backend Developer

Automated statistical and sure-bet sports betting approaches in Python deployed as a Flask app on Google App Engine.

Achievements

Sep 2023: Won Harrow Chess Championship

Went undefeated beating world famous chess prodigy Bodhana Sivanandan.

Dec 2018: Won National Npower Forecasting Competition

Placed first out of over 100 entrants specialising in predictive modelling. Employed a domain knowledge centric approach to forecasting gas consumption in Python that outperformed competing machine learning approaches.

Mar 2016: Qualified for the British Mathematics Olympiad

Scored full marks on the geometry section of the British Mathematics Olympiad.

References
Available upon request.