Ramin Tawab

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Education

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

2011 – 2016: Whitmore High School and Sixth Form
A Levels: Mathematics A* Further Mathematics A* Physics B
AS Level: Computer Science A
GCSEs: 7 A*s (including Mathematics and English) and 7 As

Certifications: AWS Certified Solutions Architect, Developer, and SysOps Admin

Skills

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

Experience

Jul 2020 – Present: Full Stack Developer at Lambert Labs

- Designed, developed and maintained progressive web apps including a product catalogue, order management application, driver application, and client facing Whatsapp chatbot for Boost Technology Ltd. using Flask on AWS.
- Implemented frontend designs for Lawyers on Demand with React and Django which resulted in increased sales. Cut costs by reducing Azure CI/CD pipeline times from 20 minutes to 3 minutes. Redesigned their backend to accommodate the expansion of their business.
- Designed an ETL pipeline for Cisco that produced data which became the key source to their sales team strategy.
- Migrated AWS infrastructure for Mastercard Strive Community with zero downtime.
- Maintained frontend and unit testing of an investment management platform for Fundment Ltd. Helped expose their data model as an OpenAPI compliant API using FastAPI.
- Developed web platform features including administration tools, authentication, and data transformation for Sentient machines using Scala and React in a time critical manner which directly led to acquisition of new customers.
- Helped Lambert Labs progress as an AWS Partner by consulting many more clients and mentoring developers across the stack.

Jun – Sep 2019: Backend Developer Intern at BMLL Technologies

Developed and deployed a Python API for backtesting financial simulations which became part of their main offering to clients.
Implemented academic journal findings including agent-based models of financial markets and inverse reinforcement learning algorithms.

Jan – May 2019: Full Stack Lead 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.

Jul 2015: Analyst Intern at BP Debt Capital Markets

Pulled data from the Bloomberg terminal and set up a spreadsheet configured with VBA comparing BP's cost of debt to its major global competitors. My report was used to inform business decisions.

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

Placed first in the history of my school for the Senior Mathematics Challenge and scored full marks on the geometry section of the British Mathematics Olympiad.

References
Available upon request.