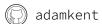
Adam Kent

Software Developer and Consultant



adamkent.net





matkent since bs16atk@gmail.com



(+44)7977297742

EXPERIENCE

ZIFO; EDF ENERGY; BRITISH GAS | Consulting as Python Developer

Jul 2022 - Present | Remote, United Kingdom

- → Working in Python-heavy stacks, using web libraries (Diango, Flask, FastAPI etc.) to build web-app solutions for clients.
- → Deploying containerised micro-services, utilising IaC to produce scalable systems.
- → Improving release efficiency through CI/CD and workflow simplification (Code Pipeline), and adhering to Test-Driven Development practices.
- → Building data pipelines and web APIs, leveraging SQL databases.
- → Developing Lambda-based AI chatbots, with latest frontend tech (Next.JS, React).

BANK OF AMERICA | SOFTWARE ENGINEER III (AVP) - COMMODITIES

May 2022 - Jul 2022 | City of London, United Kingdom

- → Developing and modernising components of in-house python stack (Quartz), working specifically on their risk platform.
- → Implementing calculators into PnL Explain reports for the commodities team, leveraging Sandra, an object store implemented in C++.
- → Aiding the commodities trading desk by tailoring Risk/PnL reporting dashboards for exotic securities.

DEPARTMENT OF HEALTH AND SC (UK GOV) | PYTHON DEVELOPER

Aug 2021 - March 2022 | Royal Leamington Spa, United Kingdom

- → Developed Python-based, bespoke LIMS system for public health data, using SQL/Oracle DB for data and Azure for user authentication.
- → Produced Flask-based BI and MI reporting dashboards in Data Science team.

Self-releasing Developer | 2009 - Present

- → From age 10, developed and released software through web forums.
- → Produced file-encryption software to challenge security programs successfully, receiving thousands of downloads and reaching 6-figure views in 2010.

PROJECTS

REFLX LIMS INFORMATICS SYSTEM | PYTHON

Department of Health and SC - 2021

- → Developing the first ever LIMS for the ground-breaking RefIX assay, a specific PCR test using a light cycler.
- → Utilised Azure storage blobs in Python for storage of sensitive large data sets.

AI CLASSIFICATION OF MUSIC BY GENRE (MASTER'S PROJECT) | PYTHON

University of Liverpool - 2021

- → Neural network utilising Mel-Cepstral Coefficient data from samples of recorded music to group them by their respective genre.
- → Utilises L2 regularisation and dropout to mitigate overfitting.

SKILLS

PROGRAMMING

Proficient:

- Python JavaScript React
- Next.js SQL HTML CSS

•C++ • Java • C# • PHP

PYTHON LIBRARIES

- Pandas Django Scikit-learn
- PyTorch Flask PyTest

PLATFORMS

- •AWS Linux .NET Azure
- SQL OpenAl Docker
- Terraform AWS Lambda
- API Gateway Serverless

EDUCATION

UNIVERSITY OF LIVERPOOL

MSc Computer Science (Dist.) Merseyside, United Kingdom Master's w/ First Class Honours

UNIVERSITY OF LEEDS

BSc Bachelor of Science West Yorkshire, United Kingdom Bachelor's with Honours (2:1)

INTERESTS

- Artificial Intelligence
 NLP
- Blockchain Cyber Security
- Ethical Hacking Finance
- Cross-platform develpment

HOBBIES

- Playing Piano and Guitar
- Bird-watching
- Cycling and Fitness
- Teaching Programming