Adam Kent

Python Developer and Software Engineer

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EXPERIENCE

ZIFO; EDF ENERGY; BRITISH GAS | CONSULTING AS PYTHON DEVELOPER
Jul 2022 - Present | Remote, United Kingdom

➔ Working in Python-heavy stacks, using web libraries (Django, 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 (Contract) | City of London, United Kingdom

➔ Developing and modernising components of in-house python stack (Quartz), working specifically on their risk platform.
➔ Aiding the commodities trading desk by tailoring Risk/PnL reporting dashboards for exotic options and niché securities.

DEPARTMENT OF HEALTH AND SC (UK GOV) | PYTHON DEVELOPER
Aug 2021 - March 2022 (Contract) | 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

BANK OF AMERICA - QUARTZ PLATFORM | PYTHON
Bank of America - 2022

➔ Developing and performing updates within Quartz, an internal cloud application environment for building applications at BofA.
➔ Implementing calculators into PnL Explain reports for the commodities team, leveraging Sandra, an object store implemented in C++.

EXPERIMENT SIMILARITY SEARCH | PYTHON WITH REACT
Zifo Technologies Ltd - 2022

➔ Developing NLP service using a distilled BERT type model, in talks with Nvidia for use on Cambridge-1, the UKs most powerful supercomputer.
➔ Took over development of this project and helped pitch the idea to Nvidia as a prospective client and collaborator.

SKILLS

PROGRAMMING

Proficient:
• Python • JavaScript • React • Next.js • SQL • HTML • CSS

Familiar:
• C++ • Java • C# • PHP

PYTHON LIBRARIES

• Pandas • Django • Scikit-learn • PyTorch • Flask • PyTest

PLATFORMS

• AWS • Linux • .NET • Azure • SQL • OpenAI • 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