Joel Peter Courtnage Pearce

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Profile

I have professional experience with Python, JavaScript, bash, Linux, AWS, SQL & noSQL databases, Jenkins, and git, as well as a wealth of personal experience working on operating systems and game development. For my Computer Science MSc I was awarded a distinction, and have a solid grasp of data structures, algorithms, and object orientated programming. I am deeply passionate and enthusiastic about software engineering, and constantly seek to learn more and improve my abilities as a programmer.

Education & Training

AWS Certified Cloud Practitioner – Amazon Web Services (AWS)
(valid November 2022 – November 2025)

University of Birmingham
(September 2020 – September 2021)
Computer Science (MSc) – Distinction

Awards and extra-curricular activities:
- Participated in the University of Nottingham's HackNott's 24-hour Hackathon

University of Liverpool
(September 2013 – July 2016)
English Literature & Language (BA) - 1st class honours

Awards and extra-curricular activities:
- Awarded Blackwell's Dissertation Prize

Employment History

Data Engineer, Aviva
(September 2021 - present)

Achievements and responsibilities:
- Revised, modularized, and updated old code bases to modern development standards, reducing operating costs and improving functionality as part of the software engineering team, including the translation of scripts into different programming languages.
- Introduced Jenkins pipelines to automate code deployment and review with the aid of shell scripts and Python.
- Improved the UX of internal systems with Javascript libraries.
- Developed ETL pipelines, bringing data from a variety of different sources into the Data & Analytics Platform's datalake as part of the data ingestion team.
- Wrote Python scripts to connect to RESTful APIs and Active Directory servers in order to integrate the data with Qlik Sense.
- Employed data cleansing methods, significantly improving data quality.

- Handled large amounts of sensitive data in both SQL and noSQL databases, helping to design databases and write tables.
- Took part in Aviva's 2022 hackathon in which I wrote the front-end for a customer-facing chatbot based on AWS architecture.

Tour Consultant, Into Japan Specialist Tours
(August 2018 – September 2020)

Achievements and responsibilities:
- Consistently fostered business growth by delivering first-rate travel advising and itineraries to develop valuable client relationships.
- Developed loyal clientele base due to excellent listening and research skills and keen understanding of travel budgets.
- Liaised with the head office in Tokyo to ensure itineraries were implemented successfully and that the ground operations were running in a satisfactory manner.
- Made routine business trips to Japan in order to assess the tours, activities, and accommodation that we offered to clients, with my reports being praised by management for their utility and clarity of thought.
- Negotiated prices with clients and partners, successfully selling over £500,000 worth of trips to Japan.

Assistant Language Teacher, Japan Exchange & Teaching Programme (JET)
(July 2016 – July 2018)

Achievements and responsibilities:
- Taught English in several schools in Kagoshima City, creating my own lesson plans and implementing them independently.
- Designed and implemented a file-sharing system that enabled assistant language teachers across the city to share resources.
- Created over 100 lessons worth of independent teaching materials that were used in classes
- taught both by myself and others.
- Routinely volunteered to help in community events in which I used my Japanese language
- skills to assist with the translation of public facilities and act as an interpreter for foreign
- visitors.

Hobbies & Extra-curricular Achievements

- Japanese Language Proficiency Test (JLPT) – N2
- Chinese Proficiency Test (HSK) – HSK1
- Volunteer Presenter at Radio Cherwell (October 2019 – present)

References

AVAILABLE UPON REQUEST