

Skills

C# | Java | Python | C++ | React | Kubernetes | AWS | Azure | Docker | TDD | MVC | SCRUM

Employment History

Software Developer, RiskCare, London UK

London Stock Exchange – Post Trade Analysis (Present)

Responsibilities and Skills Gained:

- Using Java, Kafka, React and Typescript to build a trade History blotter.
- Integrating microservice into existing AWS architecture.
- Utilising web sockets and multithreading to publish data from various streams.

Internal Project - Risk Analysis and Securitization (January 2023 – Present)

Responsibilities and Skills Gained:

- Using C# .Net 6, React, Typescript, Azure, Docker, Kubernetes, RabbitMQ to implement a credit platform.
- Implement a logging across microservices using serilog, elasticsearch and Kibana.
- Lead a team throughout the project, guiding their development as consultants and developers.

UBS – FX Trading (May 2022 – December 2022)

Responsibilities and Skills Gained:

- Using Scala and Python, SQL and databricks to enhance and improve an ETL process.
- Communicating with front office team to extract relevant data for urgent requests.
- Building and train a team of Scala developers in the New York office.

Santander – Credit Risk (November 2021 – April 2022)

Responsibilities and Skills Gained:

- Building upon a Monte Carlo credit engine to assess risk and credit in financial engine.
- Back testing using python, working with data frames to provide analysis, and understanding to stake holders.
- Communicating with key clients on a weekly basis to assess requirements and manage deadlines.

Senior Software Developer, FNZ, London UK

(November 2019 – November 2021)

Responsibilities and Skills Gained:

- Using MediatR, MassTransit and AWS in an event driven system in a microservice architecture.
- Using Normalization to design and maintain a database with EF core code first and SQL Server.
- Using Websockets to communicate between TypeScript React frontend and .NetCore 3.1 backend.
- Managing and mentoring teams of developers driving the git strategy, architecture, and requirements.
- Production and UAT support, using Kubernetes and Docker to manage pods and diagnose issues.

Software Engineer, BAE Systems AI, London UK

(October 2018 – October 2019)

Responsibilities and Skills Gained:

- Creating a test suite in python and Javascript using pytest and Cypress with TDD and BDD to guide testing.
- Working on ETL process using Python and Scala processing data through Nifi, Kafka and HBase.
- Experience using pandas, numpy, REST and GraphQL for projects whilst committing to Git Repositories.

Data Analyst, MediaCom, London UK

(January 2018 – May 2018)

Responsibilities and Skills Gained:

- Managing and monitoring bids for various clients, to maintain competitive edge and assist with fiscal strategy.
- Organising workflow with various departments and their respective media outlooks.

Education

Microsoft Professional Program in Entry-Level Software Development, EdX,

(May 2018- September 2018)

Modules including Logic and Computational Thinking, Introduction to Python: Fundamentals, Building Interactive Prototypes using JavaScript, Object Orientated Programming in Java,

Aerospace Engineering 2:1, The University of Surrey, Guildford

(October 2013 – June 2017)

Modules including: Engineering Management, Japanese stage 1, Mandarin stage 1, BEng individual project and Numerical methods and CFD

Achievements: Member of STARS (Surrey's Top Achievers Recognised and Supported), Graduation speaker, speaker at 50th anniversary

Kingsmead Secondary School and 6thform

(September 2006 – June 2013)

A-levels: Mathematics (A), Physics (A), Chemistry (B), 10 GCSEs: grade A-C
