Adedeji Adepetun

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Profile

I am a software engineer currently working in Securities Lending Technology at Morgan Stanley. I have professional hands-on experience in all stages of the software delivery life cycle in agile and cross-functional teams to ensure rapid delivery of business value to our customers.

I have experience in analysing complex systems to identify critical business processes. I am able to communicate information to both technical and non-technical stakeholders in a comprehensible manner.

Skills

Object oriented and Functional programming, Data structures and algorithms, Analysis of legacy systems, Test and Behaviour driven development, Scrum/Kanban.

Languages and Frameworks, *Scala, Java, Python, Javascript, SQL, Spring, Angular*.

Build tools, *Gradle, Maven, Ant, Jenkins, Git*.

Database, *Sybase, IBM DB2*.

Work Experience

April 2019 – Present — **Software Engineer**, *Morgan Stanley*, London, United Kingdom.

Securities Lending Technology

- Contributed to the consolidation of our trading platform with the decommission of legacy flows.
- Onboarded a new lender venue unto our internal trade engine.
- Optimising the trading strategies used by the trade engine to improve business margins.
- Improved the stability and accuracy of the trading platform, improving the quality of bids sent out to lenders.
- Improved the exclusive portfolio maintenance.
- Performed a major Sybase upgrade while ensuring no downtime of services.

July – September 2015 — **Mechanical Engineering Intern**, *Bristow Group*, Lagos, Nigeria.

Worked with the Bristow Aviation Technical Services (BATS) branch of the company.

Education

2016 – 2018 — **MSc. Advanced Computer Science**, *Distinction*, University of Manchester.

Thesis — Piquet: An AI program that plays a game of Piquet using the Information Set Monte Carlo Tree Search algorithm and heuristic domain knowledge.

2013 – 2016 — **BEng Mechanical Engineering**, *2:1*, University of Sheffield.

Thesis — Full Scale 40MW Coal Burner design: Design of a full scale coal burner limiting coal combustion NO_x emissions using ANSYS Fluent analysis.

Awards — Undergraduate Award for Academic Achievement

Projects

Todo List API.

- A todo list API to perform CRUD operations
- Languages used: Java, Scala, Spring boot, Swagger

"What's that pet?" application.

- Predicts the type of pet from a picture using a convolutional neural network.
- Languages used: Python, numpy, TensorFlow, Javascript, HTML, CSS.

Journal management web application.

- Web application that manages a library of academic journals.
- Used a agile and test-driven development approach.
- Languages and frameworks used: Python, Flask, HTML, CSS, Javascript, d3.js.