Henry Tan

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Software Engineer working in Corporate and Funding Technology at Morgan Stanley. Experienced with all phases of the software development lifecycle, working across functional teams to iteratively and swiftly contribute value to our clients. Able to translate complex business requirements into professional software solutions, with the capacity to communicate effectively to both technical and non-technical stakeholders.

Key Skills

- Object Oriented programming in Java, using Spring with Gradle or Maven. Constructing APIs interacting via REST, JMX and Message Queues, as well as interaction with relational database systems.
- Functional scripting and Object Oriented programming in Python, using Pip and libraries such as Numpy, Pandas and Dask.
- Front end experience in Typescript with Angular, using NPM. Use of Swagger API documentation.
- Big Data handling and processing with Apache Hadoop.
- Use of DevOps tools such as Jenkins, Bitbucket and JIRA.
- Agile development practices including Scrum and Kanban.

Employment Record

Morgan Stanley (London, April 2019 - Current)

Software Engineer Contractor

Data Fabric Team (March 2020 - Current)

Helped build a central data repository for use across BRM Technology, Strategy and the business:

- Working closely with both data producers and consumers to construct a series of microservices that facilitate straightforward dataset onboarding and publishing, with access through multiple platforms.
- Leveraging the Apache Hadoop framework and ecosystem to enable large scale distributed processing.
- Data producers can onboard new datasets and start publishing data within hours, with over 30 datasets onboarded and terabytes of data being consumed by hundreds of users.

Automated testing and verification processes, drastically reducing feature lead time:

- Created comprehensive system and stress testing to reduce repetitive manual toil, with post-release Ready For Business verification to regression test existing features.
- Time from implementation completed to users receiving new functionality in production < 1 day.

Firm Funding Team (April 2019 - March 2020)

Supported the Repo trading desk, working front to back on systems used by the business to inform trading decisions:

- Creating a set of web monitors displaying firm securities information and complex business metrics.
- Maintaining and improving the legacy trading system, as well as enhancing the reporting process to comply with new SFTR financial regulation.

Lead the creation of a Liabilities Trade Reporting screen:

- Headed the design and implementation of a new UI and backend to help traders categorise historical trading activities in a consumable format.
- Worked closely with members of the trading desk to ensure the final product fit their requirements, and eventually saw the project through to production.
- Removed a daily manual process for the traders.

AXA CLP (Shannon, August– September 2018):

IT Intern

- Acquired experience in the IT organisation as part of the Project Management Office and the Technical Helpdesk.

Oxford Summer Courses (Oxford, June – July 2017, June – August 2018):

Deputy Course Director

- Responsible for organising and running Summer Schools at Lady Margaret Hall College, Oxford, managing a team of 10 staff members.

Education and Qualifications

Trinity College, University of Oxford – 2015-2018

- BA (Hons), Mathematics

Poole Grammar School – 2009-2015

- A2 Levels: A* A* A* A *Further Mathematics, Mathematics, Physics, Chemistry*
- AS Levels: 5 As *Further Mathematics, Mathematics, Physics, Chemistry, French*