

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.

Technical Skills

- Object Oriented programming in Java, using Spring with Gradle or Maven. Constructing APIs interacting via HTTP, JMX and Message Queues, as well as connecting to relational database systems.
- Functional scripting and Object Oriented programming in Python, using Pip and libraries such as Numpy, Pandas and Pytest.
- Front end experience in Typescript with Angular, using Swagger API documentation.
- Use of DevOps tools such as Jenkins, Github, 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)

Selected to be part of a newly formed squad tasked with building a central data repository for use across BRM Technology, Strategy and the business:

- Working closely with data producers and consumers constructed a series of microservices to facilitate straightforward dataset onboarding and publishing.
- Built out various methods of consumption, including a custom Python library, and leveraged the Apache Hadoop ecosystem with Tableau to allow for large scale data processing and analytics.
- Data producers can onboard new datasets and start publishing data within hours, with 100s of users utilising the platform in their daily workflows.

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

- Reduced manual toil by creating comprehensive post-release regression and stress testing, leading to increased confidence in deployments.
- Time from implementation completed to users receiving new functionality in production < 1 day.

Firm Funding Team (April 2019 - March 2020)

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

- Enhanced a set of web monitors displaying firm securities information and complex business metrics.
- Maintained and improved the legacy trading system, augmenting the reporting process to comply with new SFTR financial regulation.

Lead the creation of a Liabilities EOD Trade Reporting screen:

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

AXA CLP (Shannon, August– September 2018):

IT Intern

- Acquired experience in the IT organisation with the Project Management Office and 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, managing a team of 10 staff members and 100+ students.

Education and Qualifications

Trinity College, University of Oxford – 2015-2018

- BA (Hons), Mathematics
- Final year modules include: *Logic, Lambda Calculus and Types, Set Theory, Classical Mechanics*

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*