

JACK ALEXANDER HIGGS

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EDUCATION

University of Bath

June 2010

BSc (Hons) Computer Science with Industrial Placement (2:1)

Final year dissertation: Sensor Frameworks for Engine Health Management

Student Staff Liaison Committee Representative

Communications Officer for Latin and Ballroom Dance Club

EXPERIENCE

J.P. Morgan Chase & Co

March 2015 - Present

Vice President, Finance Technology

London, United Kingdom

- Architect, Team Lead and Applications Developer for Regulatory Reporting Technology, with additional responsibilities across the Valuations Control Group and Regulatory Capital Management Office (RCMO).
- Architecting and leading the development of the firm's new International Regulatory Reporting platform. Moving from an expensive vendor product to a streamlined and efficient in-house calculation framework written in Python.
- Leading a team to implement SA-CCR - a new counterparty credit risk regulation going live in 2018 for multiple jurisdictions.
- Led and delivered the Capital Desktop project for the RCMO Team. This involved designing and implementing applications to execute ad-hoc RWA Recalculations, capture RWA Adjustments and replace various user tools.
- Improved hardware infrastructure metrics and reporting. This led to a significant reduction in cost for 2016 hardware orders.
- On the winning team of a firmwide Hackathon where we developed an anomaly detection web application for timeseries data.
- Introduced improvements to the team's SDLC to promote code reuse and enhance developer communication.
- Pitched and introduced Cassandra into the wider team's architecture.
- 100% development role, providing support for applications developed.
- Work predominantly in Python (Athena), SQL, Hadoop and Cassandra.

Goldman Sachs

January 2014 - February 2015

Associate, Sales Services Technology

London, United Kingdom

- Building out a web platform and delivering applications for the sales organisation within the Securities Division.
- Technical Lead for the Nexus Regulatory project to provide views on client documentation status. Led a team of three developers and delivered ahead of schedule. Involved developing a complex bespoke tree-grid and uplifting existing services to RESTful APIs.
- Delivered RESTful services to provide data for a sales commission application built on the Nexus platform.
- Leading the effort to introduce continuous deployment and integration testing.
- 100% development role following the Agile Methodology.

- Provide leadership by informing technical biases and overseeing design/code reviews.
- Work predominantly in HTML5/JavaScript (AngularJs), Java, and SQL/MongoDB.

Goldman Sachs

Analyst, Equity Derivatives Trading Technology

July 2010 - December 2013

London, United Kingdom

- Developing applications for and directly supporting the Equity Derivatives Franchise in EMEA.
- Delivered a new Options RFQ system for internal salespeople. Billions of notional has been booked through the system and it continues to be supported and enhanced.
- Delivered an enhanced options profitability framework for the traders that informs pricing on a client-by-client basis.
- Designed and delivered a Sales Blotter framework providing Sales with live and historical views of Trades, Client Positions, RFQs, Listed Options etc.
- 60/40 split between development and support.
- Constant interaction with traders, salespeople and quants.
- Work predominantly in Slang/SecDB which is a proprietary language and database for the Securities Division. Also delivered projects in Java/C#.

Cubewano

Software Engineer

June 2009 - June 2010

Birmingham, United Kingdom

- Delivered data acquisition systems for advanced rotary engines. This involved instrumenting an engine with sensors and collecting/displaying data in a performant and reliable way.
- Enhanced an application using the CAN protocol to interact with the ECU to automate engine testing.
- Research new methods for recording and interpreting metrics on Engine Health (as part of University project).
- Work predominantly in C#, Visual Basic and some Java.

Goldman Sachs

Work Placement, CRM & Metrics, Sales Technology

June 2008 - May 2009

London, United Kingdom

- Develop and support the main CRM tool, a Java based web application
- Design and implement features of the Budgeting system for Salespeople through the entire application stack.
- Delivered a new build and deployment solution for the team.
- Participated in placement scheme.

Addroit Consulting Ltd

Software Engineer

June 2007 - June 2008

Birmingham, United Kingdom

- Implement complex back-test systems for a hedge fund using the .NET framework and a specialised tick database according to the project requirements.
- Created custom databases using binary file formats, taking data from a bespoke data feed.

TECHNICAL STRENGTHS

Programming Languages	Python, JavaScript, Java, C# .NET, Slang/SecDB, HTML5, CSS
Protocols & APIs	Angular.js, JQuery, JSON, REST, Guice
Databases	Hadoop, Cassandra, Oracle, MongoDB, MySQL
Tools	SVN, CVS, Gradle, Ant, Ivy, Jenkins CI, JIRA, Crucible

REFERENCES

References can be provided on request.