

# TOM ANDERSON

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**PROFILE** I am a good programmer. Having initially pursued a career in medical research, I realised academia was not for me, and have spent the last eight years as part of, and leading, small agile teams, developing software with over a million dollars of sales to date, delivering large-scale e-commerce sites to blue-chip clients, and building and sustaining financial industry systems handling investments, mortgage applications, and payments. I don't have any formal education in computer science or software engineering, but through reading and working with others, I have learned more about it than many people who have. For evidence of this claim, see my record on Stack Overflow<sup>1</sup>.

**SKILLS**

**TASKS**  
Object-oriented analysis and design, debugging, application and system architecture, release engineering, infrastructure automation, systems administration, communication, organisational change

**LANGUAGES**

Java, Go, JavaScript

**ANCILLARY LANGUAGES**

Shell script, Python, Ruby, SQL , Gradle, Puppet

**EXPERIENCE** **STAFF SOFTWARE ENGINEER** JUN 2014 – PRESENT  
*Pivotal Labs*

Worked as as developer, mentor, and team leader in engagements helping industrial and financial industry clients adopt and exploit agile practices and platform-as-a-service infrastructure. This involves both leading day-to-day development, primarily in Java with Spring, to tackle the most difficult problems and ensure the team works to a high standard, and working with client leaders and stakeholders to create space for agile development within their existing processes and structures.

Aside from client engagements, I spent three months working on Cloud Foundry, Pivotal's platform-as-a-service product. I was part of a team which developed a new mechanism for automatic provisioning of data services, written in Go.

**SENIOR DEVELOPER** JAN 2012 – JUN 2014  
*TIM Group*

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<sup>1</sup> <http://stackoverflow.com/users/116639/tom-anderson>

Worked as a developer on the market-leading equity trade ideas platform. Mastered complex and obscure domain concepts. Followed aggressively agile practices to improve and extend a mature-to-legacy codebase, primarily using Java, Guice, and Hibernate, but also a measure of Scala. Spent three months on the infrastructure team building a sophisticated private cloud platform and performing general system administration duties, using Puppet, Ruby, and wide-ranging Linuxery. Returned to development to continue to join up developmental and operational thinking.

DEVELOPER, LEAD DEVELOPER  
*e2x*

JUN 2008 – DEC 2011

Joined the company when there were four other people, and was part of the growth to thirty. Applied agile practices to build e-commerce websites in Java on the ATG platform. Developed, with others, an internationalisation product which was resold by ATG as their preferred solution in this space. As well as participating in and guiding general development, had particular responsibility for web testing frameworks, build and deploy systems, and infrastructure. Went to overseas client sites several times to spike solutions and mentor developers. Led a small team developing a “shop in a box” which consolidated the lessons we learned.

RESEARCH STUDENT  
*MRC Laboratory for Molecular Cell Biology*

2002–2008

Carried out self-directed microscopy-centred research into a particular detail of the mechanics of animal cell movement. Published a paper in *Molecular Biology of the Cell*.

RESEARCH ASSISTANT  
*Weatherall Institute of Molecular Medicine*

2001–2002

Carried out supporting work in research into human artificial chromosomes.

EDUCATION MBIOCH IN MOLECULAR AND CELLULAR BIOCHEMISTRY 1998–2001  
*Oxford University*  
Class I

A-LEVELS 1991–1998  
*Colchester Royal Grammar School*  
Physics (A), chemistry (A), biology (A), French (A), general studies (A)

REFERENCES ON REQUEST