

## Simon Jackson

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SE13 6QF

### EDUCATION **University of Cambridge**

B.A. Hons., Computer Science Tripos, July 2008

Final project: “A Network Adaptive Remote Display”.

Taylor-Caldwell scholar.

### **Barton Peveril College**, Eastleigh, Hampshire

A-Level Physics (A), Maths (A), Further Maths (A); AS-Level Law (A).

Top six placed in the British Informatics Olympiad. Silver in the Physics Olympiad. Grade 1 in STEP paper 3. Advanced Extension Award in Physics at merit.

11 GCSEs at A or A\*.

### EMPLOYMENT **OpenGamma Limited**, 185 Park Street, London

*Software Engineer*

**January 2011 to present**

<http://github.com/simon-og> (Apache Licensed portions only)

- Developing .NET applications and a Java platform for front-office and risk users.
- Solely responsible for OGDotNet, the reference implementation of a C# client for the OpenGamma API.
- Building end-user applications for collecting and curating market data including a WPF GUI and Java back end services.
- Optimizing and extending integration between Java platform and several market data feeds.
- Identifying and implementing system-wide optimizations of soft real-time analytics.

### **Red Gate Software Limited**, Business Park, Cambridge

*Software Engineer*

**September 2008 to January 2011**

- Developing .NET applications for SQL Server developers in small self-organizing teams in an agile (Scrum-based) environment.
- Managing (as a Scrum Master) a project to improve the user experience of our SDK product.
- Introducing dependency injection to enable inversion of control, and use of a fluent mocking library to increase unit test coverage.
- Active participation in the selection process for developers, including leading interviews and engaging in the enhancement of our interview process.

IBM, Hursley Park, Hampshire

*Summer Vacation Placement*

**July–September 2007**

- Contributing to the development of environment modeling tools and revolution of test processes.
- Developing tools using the Eclipse Modelling Framework.

*Summer Vacation Placement*

**July–September 2006**

- Contributing to the development of Cumulative Test Analysis.
- Implementing software to map estimated effects of external changes onto internal classes through dependency analysis in order to guide test case choice.
- Providing well-documented and structured code to ease future modifications and extensions.

*Summer Vacation Placement*

**August–September 2005**

- Producing tools for performance monitoring and analysis, for both internal and external use. Testing SAN boot under Linux as part of the integration testing of the SAN Volume Controller (SVC).
- Producing and documenting a program to provide visual and numerical summaries of performance metrics provided by the SVC.
- Producing a documented and field-usable tool for collecting performance data from customer installs.

## TECHNICAL SKILLS

### **C# .NET**

- Deep knowledge of language and framework classes for databases, threading, Windows Forms and WPF.
- Familiarity with frameworks for dependency injection (Ninject, Castle), mocking (Moq), unit testing (NUnit, xUnit), logging (log4net) and object-relational mapping (NHibernate).

### **Java**

- Familiarity with Spring, JAX-RS, Date and Time API (JSR-310) and Google Guava.
- Experience using Eclipse frameworks and libraries for concurrent execution, databases and enterprise messaging.

### **Miscellaneous**

- Experience with Bash shell scripting, Perl, Linux, ML, git, Subversion.
- Production use of ActiveMQ, MongoDB, EHCACHE and PostgreSQL.
- Thorough technical understanding of SQL Server.

## REFERENCES

Available on request.