

# James Ravn | Software Developer

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## Technical skills

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**Languages:** Java, Ruby, C, Bash

**Databases:** Mongo, Mysql, Oracle

**Infrastructure:** Puppet, Teamcity, Jenkins

**Build:** Maven, Ant, Gradle, Autotools, CMake

**Version control:** Git, Subversion

**Editors:** IntelliJ, Emacs, Vim

**OS:** Linux, OS X, Windows, FreeBSD

**Process:** Agile, XP, Scrum, TDD, BDD

## Experience

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### Sky

*Software Developer (Contract)*

**London, UK**

2014–Current

- Software developer for greenfield project with high message reliability requirements. Under NDA.

**Technologies:** Java, Spring, Mule, ActiveMQ, MySQL, Cucumber

- Built testing framework and infrastructure for puppet and rpm changes. This was made part of the project's continuous integration, enabling quick feedback on changes.

**Technologies:** Puppet, Vagrant, Jenkins, Ruby, RSpec

### Camelot National Lottery

*Senior Software Engineer*

**London, UK**

2013–2014

- Full stack feature development for next generation lottery platform. Worked primarily on subscriptions with direct debit, serving 1 million accounts. Considered the most complex part of the application.

**Technologies:** Java, Spring, Hibernate, Gradle, Grails, BACS

- Heavily involved in devops. Advocated for and successfully implemented our branching and code review process. This resulted in >90% green builds from ~10%, and improved code quality and communication.

**Technologies:** Gitlab, Jenkins, Puppet

### IMC Financial Markets

*Senior Software Engineer*

**Chicago, IL**

2009–2013

- Senior developer on automated trading team. Highly ranked by management.

- Designed and implemented the core valuation library, used across the company for pricing of securities. Enabled new strategies and enhanced existing ones with significant contribution to PnL.

**Technologies:** Java, ActiveMQ, Mongo, MySQL

- Replaced the ant-based build system with Maven, leading to an ~80% reduction in build times and significant code reduction. Implemented custom maven plugins.

**Technologies:** Java, XML

- Performance improvements to the feed component, increasing capacity from 2 million to over 30

million states per minute.

**Technologies:** Java, VisualVM

- Developed jabber bot and accompanying pidgin plugin (for xmpp-uri) to support broker traders.  
**Technologies:** Java, Smack, C, xmpp
- Mentored junior developers, hosted book clubs (e.g. Hull, GrOOS), and brown bag lunches on various topics (e.g. mockito, fest-asserts).

## Motorola

*Senior Software Engineer*

**Libertyville, IL**

*2006–2009*

- Consistently ranked in the top 10% of company employees.
- Designed novel software delivery estimation model that became the defacto estimation tool for the organization due to its simplicity and usefulness.  
**Technologies:** Minitab, Excel
- Lead developer of software quality website used by software management, which led to significant improvements in delivery estimation and resource allocation.  
**Technologies:** ASP, Excel, Oracle, MySQL, MSSQL, Javascript
- Implemented defect triage web tool which improved turnaround time for bug fixes.  
**Technologies:** Ruby on Rails, Javascript, HTML, CSS

## Education

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**University of California**

*B.S. Computer Science and Engineering, 3.5 GPA*

**Los Angeles**

*2003–2005*