James Ravn | Software Developer

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Technical skills

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

Sky   **London, UK**
Software Developer (Contract)   *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   **London, UK**
Senior Software Engineer   *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   **Chicago, IL**
Senior Software Engineer   *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, Cucumber

○ 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, Ant

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

million states per minute.
Technologies: Java, VisualVM, Yourkit, Shark

- 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   **Libertyville, IL**
Senior Software Engineer   *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

University of California   **Los Angeles**
B.S. Computer Science and Engineering, 3.5 GPA   *2003–2005*