JAMES S. RAVN
SOFTWARE DEVELOPER

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Technical Skills

- Java, Ruby, C++, C
- Spring, Guice, ActiveMQ
- Maven, Gradle, CMake
- Git, Subversion
- Mongo, Mysql, Oracle
- Puppet, Teamcity, Jenkins
- IntelliJ, Emacs, Vim
- Linux, OS X, Windows
- Agile, Scrum, TDD, BDD

Experience

Energized Work (London, UK)
Software Consultant
2014-Current

- Software developer at Sky. (Java, Spring, Mule, Puppet, Appdynamics)

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. (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. (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. (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. (Java, XML)
- Performance improvements to the feed component, increasing capacity from 2 million to over 30 million states per minute. (Java, VisualVM)
- Developed pidgin plugin that adds xmpp-uri support for broker traders. (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 Mobile Devices (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. (Minitab, Excel)
- Lead developer of software quality website used by software management, which led to significant improvements in delivery estimation and resource allocation. (ASP, Excel, Oracle, MySQL, MSSQL, Javascript)
- Implemented defect triage web tool which improved turnaround time for bug fixes. (Ruby on Rails, Javascript, HTML, CSS)

Education

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