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# JAMES S. RAVN

SOFTWARE DEVELOPER

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*Experience*      Camelot National Lottery (London, UK)      Current  
Senior Software Engineer

- Technical lead working on next generation lottery platform. (Java, Spring, Gradle, Grails)

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IMC Financial Markets (Chicago, IL)      2009-2013  
Senior Software Engineer

- 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).

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Motorola Mobile Devices (Libertyville, IL)      2006-2009  
Senior Software Engineer

- 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)

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

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*Technical Skills*

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| ◦ Java, Ruby, C++, C | ◦ Git, Subversion      | ◦ IntelliJ, Emacs, Vim   |
| ◦ Spring, Guice, JMS | ◦ Mongo, Mysql, Oracle | ◦ OS X, Linux, Windows   |
| ◦ Ant, Maven, CMake  | ◦ Teamcity, Jira       | ◦ Agile, Scrum, TDD, BDD |