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# JAMES S. RAVN

SOFTWARE DEVELOPER

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## Experience

<b>IMC Financial Markets</b> (Chicago, IL) Senior Software Engineer	2009-2013
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- 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, C++, Mongo, ActiveMQ)
- 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)
- 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)

Senior Software Engineer	2006-2009
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- 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 B.S. Computer Science and Engineering — 3.5 GPA	2003-2005
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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 |
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