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# JAMES S. RAVN

## SOFTWARE DEVELOPER

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Experience	<u>IMC Financial Markets</u> (Chicago, IL) Senior Software Engineer	2009-2013
	<ul style="list-style-type: none"><li>◦ Senior developer on automated trading team. Highly ranked by management.</li><li>◦ 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)</li><li>◦ 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)</li><li>◦ Performance improvements to the feed component, increasing capacity from 2 million to over 30 million states per minute. (Java, VisualVM)</li><li>◦ Developed pidgin plugin that adds xmpp-uri support for broker traders. (C, xmpp)</li><li>◦ Mentored junior developers, hosted book clubs (e.g. Hull, GrOOS), and brown bag lunches on various topics (e.g. mockito, fest-asserts).</li></ul>	
	<u>Motorola Mobile Devices</u> (Libertyville, IL) Senior Software Engineer	2006-2009
	<ul style="list-style-type: none"><li>◦ Consistently ranked in the top 10% of company employees.</li><li>◦ Designed novel software delivery estimation model that became the defacto estimation tool for the organization due to its simplicity and usefulness. (Minitab, Excel)</li><li>◦ 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)</li><li>◦ Implemented defect triage web tool which improved turnaround time for bug fixes. (Ruby on Rails, Javascript, HTML, CSS)</li></ul>	
Education	University of California - Los Angeles, California B.S. Computer Science and Engineering — 3.5 GPA	2003-2005
Technical Skills	<ul style="list-style-type: none"><li>◦ Java, Ruby, C++, C</li><li>◦ Spring, Guice, JMS</li><li>◦ Ant, Maven, CMake</li><li>◦ Git, Subversion</li><li>◦ Mongo, Mysql, Oracle</li><li>◦ Teamcity, Jira</li><li>◦ IntelliJ, Emacs, Vim</li><li>◦ OS X, Linux, Windows</li><li>◦ Agile, Scrum, TDD, BDD</li></ul>	

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