

MISSION	<p>My most rewarding experiences come from being a multiplier. I've been very lucky to work with teams of engineers at all experience levels, to learn from them, to teach and encourage them in return, and to debate and develop effective solutions to the most important problems with them. My goal is to continue growing as a builder and leader—fostering each team member's confidence, satisfaction and growth—while advancing the state of the art in how we engineer distributed systems.</p>	
TECHNICAL SKILLS	<p>Scala: Scalaz, Spray, Akka, Finagle, ScalaTest, ScalaCheck, Shapeless, SBT</p> <p>Java: Guice, Jersey, Jackson, JUnit, Hamcrest, Mockito, Maven</p> <p>Other languages: Haskell, JavaScript, C/C++, SQL</p> <p>More useful stuff: JIRA, Hadoop (Cascading, Scalding), Explaining monads, Rebooting things</p>	
MODERN HISTORY	<p>Twitter · Tech Lead / Engineering Manager. San Francisco, CA</p> <p>Managed teams responsible for Twitter's REST API, including auth, rate-limiting and Scala frameworks</p> <p>Directly responsible for over 100k API requests per second, at a success rate over 99.99%</p> <p>Led decomposition and porting from Ruby to Scala, to improve stability and dramatically reduce OPEX</p> <p>Moved API services from dedicated hosts to Mesos, for more efficient hardware utilization</p> <p>Fixed sporadic authentication outages by porting backend from MySQL to "Manhattan" distributed storage</p> <p>Implemented API reliability and performance dashboards, used as a template for all new services</p> <p>Provided one-on-one coaching and performance management for engineers ranging from interns to senior staff</p> <p>Facilitated debates about distributed systems, functional programming, dependency injection and testing</p> <p>Taught "Scala School" course to hundreds of engineers, to help them quickly become effective contributors</p>	04.2013 - 10.2015
	<p>Marakana · Expert (Instructor). San Francisco, CA</p> <p>Researched, developed and delivered new training courses on Scala, Hadoop and JAX-RS</p> <p>Modernized Marakana's Java courses, including fundamentals, concurrency and web development</p> <p>Community events: organized the SF Scala meetup, and production of NEScala 2012 conference videos</p> <p>Business development: spearheaded Scala training partnership with Typesafe (now Lightbend)</p>	11.2011 - 04.2013
	<p>Atlassian · Senior Java Developer / Developer Advocate. San Francisco, CA</p> <p>Wrote plugin development tutorials, documentation, presentations and blogs</p> <p>Maintained cross-product plugin SDK and built the "Developer" tab in the Universal Plugin Manager</p> <p>Designed and built plugin usage tracking dashboard for the Atlassian Plugin Exchange (now Marketplace)</p>	03.2010 - 08.2011
	<p>Coverity · Senior Software Engineer / Sales Engineer. San Francisco, CA</p> <p>Planned and executed technical strategy for major customers, closing over \$1.5 million in product sales</p> <p>Led training sessions on software quality, static analysis theory, reporting accuracy and other topics</p> <p>Developed fast virtual function call resolution and checkers for static defect detection in COM code</p> <p>Designed and delivered Visual Studio and Eclipse IDE plugins, directing a team of offshore developers</p>	09.2006 - 04.2009
ANCIENT HISTORY	<p>Cloudmark · Software Engineer. San Francisco, CA</p> <p>Developed four novel fingerprinting algorithms for email spam and virus detection</p> <p>Wrote i18n/i10n framework from scratch, and internationalized client applications</p>	08.2004 - 12.2005
	<p>AOL Music · Software Engineer. San Francisco, CA</p> <p>Led four-person client development team for AOL Music's internet radio services</p> <p>Implemented subset of XPath query language to simplify processing of XML metadata snippets</p>	02.2003 - 12.2003
	<p>DoCoMo USA Laboratories · Research Engineer (Contract). San Jose, CA</p> <p>Researched new programming models for multimodal application development and deployment</p> <p>Designed and built prototype system enabling roaming, offline use of multi-platform web applications</p>	04.2002 - 12.2002
	<p>Netscape Communications / AOL · Software Engineer. Mountain View, CA</p> <p>Represented Netscape to the W3C XSL group; contributed to XSL 1.0 and XPath 2.0 standards</p> <p>Contributed to Mozilla's cross-platform UI toolkit and embedding API</p>	07.2000 - 09.2001
EDUCATION	<p>Brown University · Providence, RI</p> <p>Awarded Bachelor of Arts with Honors in Computer Science, May 2000</p> <p>Received Senior Prize in Computer Science, funded by the William Gaston Premium Scholarship</p> <p>Received Honors in Computer Science for thesis work, "Topics in Markup and Software Engineering"</p>	09.1996 - 05.2000