

SUMMARY	Technical leader with over 15 years of experience in software engineering, management, training and coaching. Looking for interesting new challenges on a team that values learning, collaboration and execution, where I can share my knowledge and learn from my teammates.	
SKILLS	Scala: Finagle, Akka, ScalaTest, ScalaCheck, Scalaz, Shapeless, SBT Java: Guice, Jersey, Jackson, JUnit, Hamcrest, Mockito, Maven JavaScript: Node.js, Express, Mocha Other languages: Haskell, C/C++ Environments and tools: AWS (Elastic Beanstalk, Lambda), New Relic, Mesos, MySQL, Cassandra	
CAREER	Cimpress · Principal Engineer / Squad Lead / Product Owner. Waltham, MA Managed a team of four engineers responsible for authentication and authorization in the Cimpress platform. Conducted periodic customer interviews and feedback sessions to inform project requirements and priorities. Built new REST API for access management system, and migrated customers of the legacy system to the new API. Designed and led implementation of globally distributed caching proxy in front of Auth0 (SaaS OAuth 2.0 vendor). Reimplemented significant portions of access management codebase for correctness, security and performance. Coordinated upgrade to centralized SSO across 40 different applications owned by distributed teams. Twitter · Tech Lead / Engineering Manager. San Francisco, CA Managed three teams responsible for Twitter's REST API, including auth, rate-limiting and Scala frameworks. Provided 1:1 coaching and performance management for 10 engineers ranging from interns to senior staff. Led API monolith decomposition and Mesos migration to improve fault tolerance and developer productivity. Fixed sporadic authentication outages by porting from MySQL to "Manhattan" (homegrown Cassandra clone). Implemented API reliability and performance dashboards, used as a template for all new services. Developed "Scala School" course and taught to all engineers in new-hire onboarding. Mentored three aspiring junior engineers at Hackbright, a local developer bootcamp for women. Marakana · Lead Instructor. San Francisco, CA Taught and coached over 1,000 engineers in person and via LiveLessons (published by Addison-Wesley). Researched, developed and delivered new training courses on Scala, Hadoop and JAX-RS. Modernized Marakana's Java courses, including fundamentals, advanced concurrency and web development. Community events: organized the SF Scala meetup, and production of NEScala 2012 conference videos. Business development: spearheaded Scala training partnership with Typesafe (now Lightbend). Atlassian · Senior Software Engineer / Developer Advocate. San Francisco, CA Maintained cross-product plugin SDK and built the "Developer" tab in the Universal Plugin Manager. Designed and built plugin usage tracking dashboard for the Atlassian Plugin Exchange (now Marketplace). Wrote plugin development tutorials, documentation, presentations and blogs. Coverity · Senior Software Engineer / Sales Engineer. San Francisco, CA Developed fast virtual function call resolution and checkers for static defect detection in C++ COM code. Designed and delivered Visual Studio and Eclipse IDE plugins, directing a team of offshore developers. Planned and executed technical strategy for major customers, closing over \$1.5 million in product sales. Led training sessions on software quality, static analysis theory, reporting accuracy and other topics. Cloudmark · Software Engineer. San Francisco, CA Contributed to anti-spam product, including fingerprinting, virus detection and internationalization. AOL Music · Technical Lead. San Francisco, CA Led four-person client development team for AOL Music's internet radio services. DoCoMo USA Laboratories · Research Engineer (Contract). San Jose, CA Researched new programming models, and prepared all technical reports and patent applications for the team. Netscape Communications / AOL · Software Engineer. Mountain View, CA Represented Netscape to the W3C XSL working group; contributed to XSL 1.0 and XPath 2.0 standards. Contributed to Mozilla's cross-platform UI toolkit and embedding API.	03.2017 - Present 04.2013 - 10.2015 11.2011 - 04.2013 03.2010 - 08.2011 09.2006 - 04.2009 08.2004 - 12.2005 02.2003 - 12.2003 04.2002 - 12.2002 07.2000 - 09.2001
EDUCATION	Brown University · Providence, RI Awarded Bachelor of Arts with Honors in Computer Science, May 2000. Received Senior Prize in Computer Science, funded by the William Gaston Premium Scholarship.	09.1996 - 05.2000