Dan Rosen

57 Davis Rd. · Belmont, MA · 02478
dr@mergeconflict.com · (415) 577 8785

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 / Architect. Waltham, MA   03.2017 - Present

Designed and built new REST API for access management system, used for authorization by many microservices.
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.
Eliminated technical debt by retiring legacy systems, migrating customers to supported alternatives.

Twitter · Tech Lead / Engineering Manager. San Francisco, CA   04.2013 - 10.2015

Managed three teams responsible for Twitter's REST API, including auth, rate-limiting and Scala frameworks.
Led API monolith decomposition and Mesos migration to improve fault tolerance and developer productivity.
Implemented API reliability and performance dashboards, used as a template for all new services.
Fixed sporadic authentication outages by porting from MySQL to "Manhattan" (homegrown Cassandra clone).
Developed "Scala School" course and taught to all engineers in new-hire onboarding.
Provided 1:1 coaching and performance management for 10 engineers ranging from interns to senior staff.
Mentored three aspiring junior engineers at Hackbright, a local developer bootcamp for women.

Marakana · Lead Instructor. San Francisco, CA   11.2011 - 04.2013

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   03.2010 - 08.2011

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   09.2006 - 04.2009

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.

ANCIENT HISTORY

Cloudmark · Software Engineer. San Francisco, CA   08.2004 - 12.2005
AOL Music · Technical Lead. San Francisco, CA   02.2003 - 12.2003
DoCoMo USA Laboratories · Research Engineer (Contract). San Jose, CA   04.2002 - 12.2002
Netscape Communications / AOL · Software Engineer. Mountain View, CA   07.2000 - 09.2001

EDUCATION

Brown University · Providence, RI   09.1996 - 05.2000

Awarded Bachelor of Arts with Honors in Computer Science, May 2000.
Received Senior Prize in Computer Science, funded by the William Gaston Premium Scholarship.