

Sean Callan
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Looking for new challenges with a passionate team. Eighteen years of software development experience have given me the foundation to efficiently tackle complex projects. I have built my own companies, grown ideas into full-fledged products, and led engineering teams at the U.S. Senate, FEMA, Department of Defense, and most recently within the commercial sector.

SKILLS

Languages: Ruby, Elixir, Java, JavaScript, SQL

Frameworks: Rails, Sinatra, Phoenix, Dropwizard, Knockout, Redux

Databases: RDS, PostgreSQL, PostGIS, Redis, ElastiCache, MySQL, DB2

Providers: AWS, Heroku, DigitalOcean, Rackspace

Version Control: Git, IBM Rational ClearCase, SVN

Workflows: Scrum, Kanban, CI/CD, TDD, BDD

AWARDS AND RECOGNITION

- Corporate Compass Award for contributions to, and advocacy of, open source software at the U.S. Senate.
- Appointment to Architecture Review Board of \$1B FEMA system modernization.
- Entrepreneurial spirit recognized by executive team for development of automated sales lead generation tool.

COMMUNITY ENGAGEMENT

- Founder and author of Elixir School (elixirschool.com), a growing collection of lessons in the Elixir programming language. A top resource for learning Elixir, now translated into Chinese, Japanese, Spanish, and Portuguese.
- Co-organizer of Bay Area Elixir Meetup.
- Speaker at Elixir and Ruby Meetups.
- Active contributor to more than a dozen open source projects.

PROFESSIONAL EXPERIENCE

Principal (Sep 2014 - Present), Utensils, Oakland, CA

Established as a boutique consultancy, Utensils focuses on helping early stage companies with leadership, product development, hiring, and engineering best practices.

- Perform technical evaluations for engineering candidates on behalf of Berkner Group.
- Served as interim CTO for Wexus Technology. Responsible for technical partnerships, product development, and hiring.
- Led research and development of IoT platform as part of Hettinger, Inc. and New Global Enterprises, Inc. joint venture.

Co-Founder (Sep 2014 - Dec 2015), CityLeash, Oakland, CA

Designed and developed CityLeash after identifying a need for rental property listings with detailed pet information. Used the opportunity to advance understanding and experience with AWS. Created systems to retrieve and normalize property listings from multiple brokerage APIs and feeds.

- Used two-way data binding to create a rich user experience.
- Developed a system to efficiently handle processing millions of images daily.
- Built a library for stream processing large XML files stored remotely.
- Responsible for setting up and maintaining AWS infrastructure.
- Created an open source library for reading Multifamily Information and Transactions Standards (MITS) compliant feeds.

Senior Platform Engineer (Apr 2013 - Sep 2014), Liftopia, San Francisco, CA

Hired to provide technical expertise and leadership for platform modernization initiatives including the transition to service-oriented architecture. Instrumental in improving code quality and test coverage while establishing team wide best practices. Pivotal in the recruitment and hiring of key engineers, doubling team size.

- Led engineering team following resignation of the VP.
- Developed a PCI compliant payment system supporting multiple currencies and gateway redundancy.
- Led internationalization efforts to accelerate growth into South America and Europe.
- Implemented complex pricing strategies into inventory services with immediate revenue and inventory impact.
- Established best practices for continuous integration and deployment.

Software Engineer (Feb 2012 - Mar 2013), TapJoy, San Francisco, CA

Leveraged face-to-face customer experience and technical expertise to establish TapJoy's integration and technical sales teams. Worked closely with local and international companies. Contributed code to Android and iOS SDKs, significantly improving device tracking. Established best practices to improve quality of mobile SDKs.

- Appointed by CTO to lead development of TapJoy's discovery engine.
- Built a tool to identify leads for sales teams through app store data mining.
- Entrepreneurship recognized by SVP of Product and executive team.
- Established Integrations-as-a-Service to increase revenue.
- Primary technical point-of-contact for partnerships with Yahoo!, Kontagent, DeNA, Glu, EA, and others.

Software Engineer (Feb 2010 - Feb 2012), Red Hat, Fairfax, VA

Participated in a DoD Acquisition and Visibility project. Worked closely with remote military teams to define project scope and architecture. Contributed time and leadership to internal Red Hat initiatives.

- Appointed to lead internal initiatives upon recognition of expertise and entrepreneurial spirit.

- Designed complex rules engine for analyzing defense spending budgets.
- Handled service oriented architecture and orchestration amongst US Armed Services.

Technical Team Lead (May 2009 - Feb 2010), Booz Allen Hamilton, Fairfax, VA

Software engineer working on the FEMA modernization initiative. Promoted to Team Lead for the United States Fire Administration Incident Reporting System.

- Responsible for technical guidance and leadership of engineering and test team.
- Tasked with designing and migrating to a new architect.
- Selected as representative to the Program Architecture Control Board.
- Appointed to the Architecture Review Board.
- Member of the Technical Leadership Committee.

Software Engineer (June 2007 – May 2009), BearingPoint, Inc., Washington, DC

Member of development team responsible for U.S. Senate financial web tools.

- Developed a contextual accounting help system.
- Led development of imaging and digital signature prototype.
- Introduced open source reporting tool, Jasper Reports, to replace Crystal Reports. This resulted in significant cost savings as well as expanded reporting capabilities.
- Built a tool to allow analysts and accountants to design and deploy inquiry and reporting pages.
- Professional ability and technical skill recognized by BearingPoint with Corporate Compass Award.

Founder (May 2002 – Jan 2009), Lemonade Stand Studios

Provided a range of services to small and medium size businesses including e-commerce development, mobile applications, and web presence. With a reputation for high quality work, the business quickly grew and four additional employees were hired.

EDUCATION

Georgia Southern University, Bachelor of Science in Computer Science, May 2007

ASSOCIATIONS

Upsilon Pi Epsilon “International Honor Society for Computing and Information Disciplines.”

Association for Computing Machinery (ACM)

PUBLICATION

“Stimulax: Psychological Relationship Modeling Software.” Proceedings of the 2007 Southeastern ACM Conference (March 2007) pp. 517-518