Sean D. Callan
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Eighteen years of software development experience provide a strong foundation on which to tackle in-depth and complex projects. By high school I leveraged my passion for software into my own company – Lemonade Stand Studios, which focused on providing e-commerce development to local businesses; I would grew the business to include four additional employees over the next few years. Most recently I've contributed lead the development of enterprise-scale projects for the U.S. Senate, FEMA, Department of Defense, and most recently the commercial sector.

TECHNICAL SKILLS
Languages: Ruby, Java, JavaScript, CoffeeScript, Kotlin, SQL, XML
Frameworks: Rails, Sinatra, Dropwizard, Struts, Express, Knockout
Databases: RDS, PostgreSQL, PostGIS, Redis, ElastiCache, MySQL, DB2
Version Control: Git, IBM Rational ClearCase, SVN

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 after demonstrating a strong understanding of software architecture and design.
- Executive team recognized entrepreneurial spirit after development of sales lead generation tool.

PROFESSIONAL EXPERIENCE
Founder (Sep 2014 - Present), Orwell, Oakland, CA
Leveraged experience developing proprietary rules engines for both government and private sector alike to create a service that offers comparable functionality without the costs or overhead.
- Developed a non-blocking API to maximize requests-per-minute with minimal overhead.
- Built a sandboxed runtime for the safe execution of user provided code.
- Created a analytics service to track and report on millions of events and outcomes in real-time.

Co-Founder (Sep 2014 - Present), CityLeash, Oakland, CA
Designed and developed CityLeash after identifying a need for rental 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 the processing millions of images daily.
- Built a library for stream processing large XML files stored remotely.
- Responsible to 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 teamwide best practices. Pivotal in the recruitment and hiring of key engineers doubling team size.
- Lead engineering team following VP resignation.
- Developed a PCI compliant payment system supporting multiple currencies and gateway redundancy.
- Lead 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.
- Lead 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

SECURITY CLEARANCE
Department of Defense Secret