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| **Alex Ehrnschwender** | San Francisco, CA |
| *Full-stack engineer with international experience in software development & project*  *management. Seeking new technical challenges & leadership opportunities.* | *alex.ehrnschwender@gmail.com*  [*alexehrnschwender.com*](http://www.alexehrnschwender.com/) |

**SKILLS & EXPERTISE**

**Server**: Scala (Akka & Play), Node.js, Ruby (Rails), Java (Groovy/Grails), Lua, C# .NET, Bash/Shell & Linux Administration

**Database**: MySQL, MongoDB, Redis, Zookeeper, PostgreSQL

**Front**-**end**: JavaScript (web & mobile), CSS3 & SASS

**PROFESSIONAL EXPERIENCE**

**Sr. Software Engineer & Tech Lead – Ticketfly** *July 2015 – Present*

* Developing distributed concert ticketing services in Scala (Play/Akka) and Java (Grails)

**Game Server Engineer – DeNA West / ngmoco:)** *Nov. 2013 – May 2015*

* Developed game servers in Node.js and Scala (Akka) for several popular mobile apps (iPhone + Android)
* Built, deployed, and monitored Java & Node.js app server clusters for multiplayer environments.
* MongoDB, Redis, Memcached, Zookeeper, and StatsD/Graphite back-ends/middleware

**Lead Front-End Engineer - TastemakerX** *Sept. 2012 – Nov. 2013*

* Led client-side app development for web and Spotify applications revolving around music discovery.
* Implemented production-scale Backbone.js & Require.js architecture over existing PHP
* Defined new cross-platform REST API structure and requirements for JSON data return
* Build standalone UDP & TCP servers in Node.js for client builds, analytics, SEO, analytics, Redis pub-sub, push notifications, and Twitter Streaming API integration

**IT Leadership Program – General Electric Company – GE Energy** *2010 – 2012*

Operations BI Developer – *Global Application Management Services (Atlanta, GA)*

* Developed a personalized BI solution (PL/SQL & JS) for support leaders & managers, accelerating through full SDLC.

Commercial ITO Project Manager – *GE Industrial Solutions (Hartford, CT)*

* Drove business-specific requirements into Salesforce.com roll-out for internal salespersons and external partners.
* Experience in Agile SCRUM methodology, VBA, and as a Salesforce.com admin.

Product Lifecycle Management (PLM) Project Manager – *Energy Products Europe (Belfort, FR)*

* Release coordination between local French engineering and US project teams for business-wide PLM software.
* Used XSLT, XPath & JS to create activity trend dashboards and mitigate overall timeline risk.

Mobile & Analytics Software Engineer – *GE Water & Process Technologies (Philadelphia, PA)*

* Designed and piloted Water Mobile Framework for device-independent development, deployment, testing, and maintenance of GE Water hybrid mobile apps. Significant research into mobile strategy within GE and industry.
* Built automated analytics engine for Remote Monitoring visualizations in TIBCO Spotfire, writing custom C# .NET extensions to the platform. Launched Fleet Analytics program providing cross-customer insights to the business.

**EDUCATION**

## University of Virginia, School of Engineering and Applied Science *2006 – 2010*

BS in Systems Engineering, Minor in Engineering Business

* GPA: 3.48 / 4
* Head of Research for the McIntire Socially Responsible Investment Organization *2008-2010*
* President of Sigma Phi Epsilon Fraternity, Virginia Eta Chapter *2008-2009*
* 2220 SAT (800-M, 680-V, 740-W)

**AWARDS & RECOGNITION**

* TastemakerX web app awarded 2nd place in 2013 SXSW Music Accelerator out of over 500 candidates
* GE Water Remote Monitoring Team recognized by CIO Magazine with CIO 100 Award
* LEAN Six Sigma Greenbelt Certified

**VENTURES & HOBBIES**

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| **TourCollective**  *Crowdsource concerts and bring your favorite musicians to your hometown.*  **Tech Stack**  Ruby on Rails, PostgreSQL, Squid, Backbone.js + Require.js | **The Slice Is Right**  *Quickly and easily discover*  *local pizza restaurants.*  **Tech Stack**  iOS & Android App Markets,  Sencha Touch 2, GoogleMaps API | **CloudJams**  *Collaborate with Facebook friends to create the ultimate video playlist.*  **Tech Stack**  Meteor.js + MongoDB, Amazon S3, Facebook OAuth2, YouTube APIs |