

ALEX EHRNSCHWENDER

Systems engineer with international experience developing software and leading technical projects.

alex.ehrnschwender@gmail.com

SKILLS & EXPERTISE

Server: Scala, Python, Java, Node.js, Ruby, C++, C# .NET, Bash/Shell

Database: MySQL, Redis, MongoDB, Zookeeper, PostgreSQL

Infra: AWS, Docker, Chef

Front-end: JavaScript (web & mobile), Swift

PROFESSIONAL EXPERIENCE

Sr. Software Engineer II – Eventbrite

Sept. 2017 – Present

- Building high-traffic microservices in Python for self-service event management and ticketing.

Sr. Software Engineer & Tech Lead – Ticketfly

July 2015 – Sept. 2017

- Developed Scala & Java microservices to serve venues, promoters, partners, and end customers with information on live events.
- Built & released new entry management backend for iOS scanning devices used across the country.
- Tech lead in team of 5 engineers for Ticketfly Attendee mobile app release (500K installs, 6K DAU).

Game Server Engineer – DeNA West / ngmoco:)

Nov. 2013 – May 2015

- Developed distributed online 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
- Built 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)

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

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

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

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

CrowdPush

Crowdsource concerts and bring your favorite musicians to your hometown.

Tech Stack

Ruby/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

RoboGrow

Arduino + Raspberry Pi remote gardening automation

<http://robogrow.ehrns.com/>