

Alex Bisceglie  
El Cerrito, CA  
[alex.bisceglie@gmail.com](mailto:alex.bisceglie@gmail.com)

## INTERESTS

Platform development, distributed systems, data visualization

## SKILLS

**Languages:** Erlang, Elixir, Ruby, Python, Javascript, Scala, Java

**Frameworks:** Node.js, Ruby on Rails, Django

**Datastores & Transport:** Cassandra, Riak, PostgreSQL, MySQL, Redis, Thrift, RabbitMQ

**Operations:** Docker, AWS, Google Cloud, StatsD, Nginx, CoreOS, Ubuntu/Debian

## EXPERIENCE

### **Software Engineer, Layer, San Francisco, CA 2015-2016**

- Contributed feature and maintenance work to core Erlang platform services
- Participated in on-call rotation and served as escalation point for service issues
- Designed and implemented performance enhancements for client/server sync protocol
- Designed and Developed performance-related R&D experiments alongside client teams
- Technologies used: Erlang, Scala, Java, Thrift, Cassandra, Docker, CoreOS, Redis, RabbitMQ, StatsD

### **Lead Engineer & Co-Founder, FlareWorks, San Francisco, CA 2014-2015**

- Architected and built a scalable distributed system for near-real-time location sharing and messaging
- Created an horizontally scalable, fault-tolerant media service to support image and video sharing, using Elixir, gproc, and Mnesia
- Designed and implemented a robust internal client API
- Implemented business and system health monitoring and metrics
- Managed an offshore team of iOS and Android client engineers
- Technologies used: Javascript (Node.js), Elixir, PostgreSQL, Redis, StatsD, Python, Unix

### **Sr. Developer, Flywheel, Redwood City, CA 2012-2014**

- Developed a highly-available and fault-tolerant distributed system to replace legacy back-end system
- Collaborated with engineering colleagues to build a complex payments system that integrated with Stripe and Authorize.Net
- Practiced test-driven development and built a comprehensive suite of integration tests
- Designed and implemented business, performance, and system health monitoring and alerting using StatsD and custom Zabbix agents
- Technologies used: Ruby, Riak, Javascript (Node.js), Erlang, Elixir, RabbitMQ, Resque, PostgreSQL, PostGIS, StatsD, Unix, Zabbix

### **Developer, Foodily, San Mateo, CA 2011-2012**

- Generalist engineer working on various projects throughout the application stack, internal tools, and infrastructure tuning
- Headed the development of coupon data management and user-facing presentation layer
- Architected and headed the development of the Facebook Custom Open Graph integration
- Continuously worked to optimize the middle-tier using Java concurrency utilities
- Developed internal services for consuming external user content from platforms e.g. Pinterest and Facebook
- Technologies used: Scala, Java, Javascript, MySQL, Redis, Puppet, Ruby, Rack, Unicorn, Nginx, Apache, Unix

### **Sr. Developer, the Barbarian Group, New York, NY & San Francisco, CA 2008-2011**

- Architected and built the backend/management tool for an internationalized social-media content aggregation tool for Lenovo (demoed at CES 2011) in Rails and CouchDB with a Varnish cache
- Appointed core developer for [kashi.com](http://kashi.com) to build and maintain a high-traffic, content-rich Rails application
- Technologies used: Ruby, Javascript, MySQL, Unix, CouchDB, Python, Django, Apache

### **Sr. Interface Engineer, Organic, New York, NY 2007-2008**

- First engineer on the Emerging Platforms team, responsible for connecting and prototyping projects using bleeding-edge mobile, social, and geo technologies and platforms including iPhone development and RFID
- Collaborated with various startups (Drop.io, Socialight) to develop novel concepts into working prototypes. Presented work at the first NYC iPhone Dev Camp, CTIA, and Web2.0 Expo

### **Developer, Ta-Da Inc, New York, NY 2006**

- Developed internal MVC framework in PHP for consuming and managing user content via email and SMS
- Provided support engineering for GumSpots - a prototype geolocation service based on urban sidewalk spots of gum

### EDUCATION

**Master's in Interactive Telecommunications**, 2007, New York University, New York, NY

**Bachelor's in Multimedia Studies / Music Technology**, 2005, Northeastern University, Boston, MA

### SPEAKING & EXHIBITING

- O'Reilly ETech 2009, Showcasing *Pulse Labs - a spatial social metrics platform*
- IgniteNYC 2009, Talk calling for more rigor in data visualization, less 'chart junk'
- NYC iPhone Dev Camp 2008, Intro class on iOS development
- ITP Thesis Presentations 2007