

Benjamin Liu

Software Engineer

Contact Information

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Work Experience

Xoom Corporation, San Francisco, CA

Software Engineer, Integrations

2014-present

- Implemented Restful API for event mapping, freeing up on average 6 stories per sprint from developers and reduced average TTF by 6 days.
- Designed Restful API as a distributed microservice for ETA increasing accuracy of estimates and responsiveness to failures by several minutes.
- Wrote several NodeJS + ExpressJS applications for API's for demonstration.
- Wrote SOAP/REST/File based clients for 9 different partners and 4 new countries, including Pakistan (6th highest traffic country).
- Created webclients for some of Xoom's API's which could be distributed to the partner for testing purposes.
- Refactored testing suite and integrated Cucumber for BDD on some projects, reducing developer work by several days.
- Lead team retrospectives.
- Implemented OAuth 2.0 resource servers and clients as well as caching for tokens.

Instinet INC., San Francisco CA

Software Intern, Internal tools

Summer 2013

- Produced announcement feature so users can upload their own files rather than making tickets to developers.
- Implemented admin roles for tables so all tables can be updateable on the fly.
- Added basic authentication with salted and hashed passwords to internal website.
- Maintained the internal website including the release process and introduced automated releases via Jenkins which reduced release process time by several hours.

Siemens Ultrasound, Mountain View CA

Software Intern

Summer 2012

- Wrote test suite in Python to test Ultrasound Machines.
- Built a simple API using UDP to interface with FPGA's on Ultrasound machines allowing users to control the aperture size and signal frequency for diagnostics.

Education

University of California – Berkeley, 2010 – 2014

- BS in Electrical Engineering and Computer Science with an emphasis on Computer Science.
- Minor in Mathematics.

Familiar Software

- Web Frameworks: Spring MVC, Ruby on Rails, NodeJS (KrakenJS PayPal framework).
- Programming Languages: Java, Ruby, Python, C/C++, SQL, Lisp, Groovy, Scala
- Other: MySQL, Splunk, Docker, Git, Zookeeper, OpenSSL, Redis, RabbitMQ, HornetQ, SVN, Jenkins, Maven, Gradle, Android