John E. Connolly

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Work Experience

TheLadders.com

New York, NY

- *Software Engineer*   *2012 - 2015*

  Member of the Platform Team, primarily working on backend SOA systems to power a 10M+ user, job-matching website. Responsible for monitoring infrastructure, internal libraries, and applications. Primarily using JVM languages like Java, Scala and Clojure to build distributed systems and RESTful services underlying our main web application. Intimately familiar with writing code and maintaining infrastructure for technologies like Storm, ElasticSearch, Graphite, Jetty, Couchbase, Riak. Lots of scripting (bash, Python, Ruby, Clojure) to automate business and infrastructure tasks and alerting. Replaced unpredictable failing systems with reliable queue-based application workflows. Worked with growth team on ETL work for email campaigns, data science team to provide data and sandbox infrastructure, and product team on web app and front-end features using Jetty and Backbone. Maintained company developer blog. Advocated for and used Test Driven Development, code reviews, and Domain Driven Design.

BUG Labs Inc.

New York, NY

- *Development Lead*   *2008-2012*

  Joined the company as a Junior QA Analyst in 2008, left as Development Lead managing a team of 8 in 2008. QA duties included test automation of software stack for consumer electronic device, Selenium tests for web, unit and integration tests for custom SDK. Developer duties included building and maintaining custom Linux-based (Android-like) stack for devices. Responsible for Linux Kernel drivers, JNI bindings, developer API, Linux distribution customization, build automation, custom SDK and emulator, documentation, customer support. Lead Developer responsibilities included product decisions and scoping, meeting and guiding partner customers in device development, building a cloud messaging platform and API for embedded and mobile devices (based on XMPP and HTTP with a node.js web application). Open source contributions to OpenEmbedded, Linux, zxing, and bitbake.

Freelance

- *Software Engineer, LiftForward Inc.*   *Spring 2015*

  Member of a three-engineer team building a Ruby on Rails and Ember.js based small-business lending web application. Responsible for backend systems that pulled credit for loan applicants, transactional and batch email processes, monitoring. Used Heroku, AWS, RabbitMQ, Stripe among other technologies and systems. Light frontend experience.

- *Integration Engineer, PureSilicon*   *Fall 2010*

  Embedded development for a SSD-based RAID device, based on a PPC440 board, LSI SAS card. Software included DENX ELDK. Responsible for setting up the ELDK, cross compiler toolchain, generating a ramfs small enough to fit in the 64MB on-board flash, and documentation.

Education

Stony Brook University

- *Pursued BS in Computer Science & Applied Mathematics*   *2002-2007*

- *Accomplishments:* Dean's List. Member and researcher for the Group for Logic and Formal Semantics with published papers in MIT's Artificial Life Journal and Public Affairs Quarterly. Undergraduate teaching practicum under Dr. Patrick Grim. Duties included mentoring students in basic robotics and computational technologies, application design, web-based tutorials.

Skills

- *Languages:* Java, Scala, Clojure, Python, Ruby, JavaScript, bash.

- *Frameworks/Technologies*: HTTP, Storm, Jetty*,* Spring, RabbitMQ, ElasticSearch, Logstash, Kibana, Graphite, Couchbase, Memcache, Riak, MySQL, PostgreSQL, OSGi, Redhat & Debian-based Linux, OSX.

- *Tools*: Eclipse, IntelliJ, git, Jenkins, Varnish Cache, Puppet, Atlassian products, github, vim.

Goals

- To work on a product that I would use.

- Bring functional programming to the table where appropriate.

- Solve problems of scale.

- Maintain a sense of code ownership through pride in my work.

- To be challenged on a daily basis.