John Connolly

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Summary

Principal Software Engineer with management experience. Most of my previous roles focus on distributed systems and backend development. I enjoy scaling systems and shaving milliseconds.

Experience

Flow Commerce (acquired by Global-e Dec. 2021)
REMOTE/HOBOKEN, NJ

Principal Software Engineer — *2020 – present*

Flow builds software and services to grow businesses globally. Services included localized checkout experience, logistics, tax/duty calculation and remittance on behalf of Ecommerce merchants. Senior position on team responsible for backend services. Built from the ground up Flow's primary SMB-markets platform, integrating with Shopify (International) Markets. Technologies used: Scala, sbt, Akka, Play Framework, AWS, Kubernetes, Helm Docker, PostgreSQL, Jenkins, TravisCI, some light Ruby and NodeJS for tools and test automation.

Netsmart
REMOTE/GREAT RIVER, NY

Team Lead & Senior Architect — *2020 – 2021*

Netsmart is a market leader in Behavior Health Facility Software. Leadership position on team of 8. Responsible for high priority, highly visible project converting legacy stack from MUMPS and Java "fat client" to Angular/Java/Spring Boot/PostgreSQL. Technologies used: Java, Spring Boot, Angular, JMeter, Jenkins, JUnit, Openshift/Kubernetes, AWS, Prometheus, Elastic Search, Logstash, Kibana, Splunk, groovy, bash, git.

Perfumania Holdings Inc.
REMOTE/BELLPORT, NY

Senior Applications Engineer — *2018 – 2020*

Perfumania Holdings is one of the leading fragrance and cosmetics retailers and wholesalers in the US. Responsible for managing the entire Ecommerce platform, from dotcom orders to Amazon Marketplace to warehouse fulfillment. Managed daily operations, technical projects, and remote on-prem teams to meet aggressive growth goals. Technologies used: IBM WebSphere Commerce, IBM HTTP Server, Java, DB2, .Net, Bash, Barracuda, AppDynamics monitoring and alerting, Mulesoft, Tomcat, SOAP.

OpenXchange Inc.
REMOTE/OLPE, GERMANY

Senior Software Engineer — *2016 – 2018*

OpenXchange is the company behind many ISP's email platforms. AppSuite is their open source email and productivity suite. Responsible for customizing the backend to integrate with customers' infrastructure. Writing single-sign-on flows using OAuth or SAML, consuming and providing RESTful and SOAP APIs that scale to millions of concurrent users. Responsible for training customer development teams to customize the product themselves. Technologies used: Java, OSGi, MySQL, Eclipse PDE, Chef, Ansible, Ruby, OpenStack, Vagrant.

CooCoo Inc.
HUNTINGTON, NY

Senior Software Engineer — *2015 – 2016*

Team leadership position. Member of the API Team, designing, maintaining and implementing APIs and backend services to services 10+ Mobile Ticketing applications, in-house products, ETL processes and real-time integration services. Designed and implemented a scalable asynchronous middleware layer with a F500 partner in the transit space. Introduced monitoring and alerting solutions across production and pre-production environments. Primary developer in the "devops" strategy. Led an effort to instill a rigorous, quality-focused engineering culture. Responsible for translating high-level requirements into specifications and implementations across different teams. Technologies included: Java, JAX-RS, Wildfly, ActiveJDBC, MySQL, Apache Camel, Amazon SQS, RabbitMQ, AWS, Chef, CentOS, bash, Jenkins, light Mobile development.

TheLadders.com
NEW YORK, NY

Platform 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 TDD, code reviews, and Domain Driven Design.

BugLabs 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 2012. QA duties: test automation of Linux and OSGi-based software stack for consumer electronic device, Selenium tests for web, unit and integration tests for custom Eclipse-based SDK. Developer duties: building and maintaining custom Linux-based and Java stack for devices. Responsible for Linux Kernel drivers, JNI bindings, developer API OSGi bundles and services, Linux distribution customization, build automation, custom SDK and emulator, documentation, and on-site customer support. Lead Developer responsibilities: product decisions and scoping, OS versioning strategies, 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 (Zebra Crossing barcode library), and bitbake.

Please refer to my Linked-in profile for a more complete list of work experiences along with recommendations.

Education

Stony Brook University Stony Brook, New York

Bachelor Science in Computer Science

Dean's List. Member and researcher for the Group for Logic and Formal Semantics with papers published in MIT's Artificial Life Journal and Public Affairs Quarterly. Undergraduate teaching practicum under Dr. Patrick Grim in Philosophy of Mind and Philosophy of Computers. Duties included mentoring upper classmen Philosophy students in introductory robotics and programming, application design, web-based tutorials.

Skills

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

Frameworks/Technologies: Frameworks/Technologies: HTTP, Apache Storm, Apache Camel, Jetty, Spring, RabbitMQ, ElasticSearch, Logstash, Kibana, Solr, 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

Non-exhaustive and in alphabetical order: Bring functional programming to the table where appropriate. Maintain a sense of code ownership through pride in my work. Solve problems of scale. To contribute to a product that I would use. To stay curious.