Jared Loomis

San Diego

(775) 762-7838 - jaredloomis@protonmail.com

[jaredloomis.com](http://jaredloomis.com) - [github.com/jaredloomis](http://github.com/jaredloomis) - [linkedin.com/in/jared-loomis](http://linkedin.com/in/jared-loomis)

Profile

I am a Full-Stack Software Engineer with industry experience developing web apps with Java, Node.js, and React.js. Driven, detail-oriented, and always learning. Development experience includes compiler design, financial asset analysis, and 3D graphics programming. I am looking for an opportunity to work on difficult problems with a team of passionate people.

Skills

Languages

Java (Expert), Python (Advanced), JavaScript (Expert), Node.js (Advanced), C# (Intermediate), bash (Intermediate), C++ (Beginner), Kotlin (Advanced), Rust (Advanced), Scala (Advanced), Haskell (Expert), Ruby (Beginner)

**Technologies**

React.js, Linux, AWS EC2, GraphQL, websockets, Node.js, Lambda, S3, MongoDB, nginx, HTTP, REST, distributed systems, RabbitMQ, LetsEncrypt SSL, Git, Vim, HTML, CSS, Jira, jQuery

**Techniques**

Object-Oriented Programming, AGILE, full-stack web development, SPA

Professional Experience

Software Engineer in Test / Airspace Technologies

2019

* Implement automated testing framework to achieve goal of sub-hour regression tests for critical logistics service.
* Develop processes and tools to ensure scalability of automation infrastructure through near future.

Software Engineer in Test / Workwell Technologies

2015 - 2018

* Transition company from entirely manual testing practices, to relying heavily on automated tests. Accomplished a >50% reduction in release times for two products.
* Subsequently trained team of entry-level engineers to deliver on automation goals.
* Design and implement an Android and web automation framework using Java, Appium, and Selenium.
* Provide QA-wide access to automation via a web interface. Used Vue.js, MongoDB, and AWS S3.

Open Source

Declare QA

2018 - 2019

Design and implement a full-stack Web Automation Platform, deploy in the cloud.

* Identify a need for reduction of boilerplate in no-code-required web testing platforms.
* Develop a full-stack web application, with Node.js, MongoDB, GraphQL on the backend, React.js and Redux on frontend.
* Deploy system as a service-oriented distributed system on Vultr compute with nginx.

Andromeda Domain-Specific Language

2014 - 2015

Andromeda is a domain-specific programming language based on the lambda calculus and embedded in the Haskell language. It aids in writing modern OpenGL & GLSL graphics applications by abstracting away the details of OpenGL API and exposing a simple core language. As an added benefit, Andromeda verifies the mathematical correctness of programs before they are ever run. This tool has been used in a number of open source projects.

Education

Palomar College

2013 - 2016

Related coursework:

* Survey of Computer Science
* C Programming
* Data Structures
* C++ & Object-Oriented Programming