Jared Loomis

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Professional Experience

Amazon / Software Development Engineer Dec 2019 - Nov 2020

* Develop AWS-based cloud services to support a new Amazon product.
* Contribute to product design and implementation in the context of a startup-style team.
* Manage and monitor infrastructure deployments.

*Skills used: Infrastructure-as-code (CDK), Java, React, DynamoDB, AppSync, GraphQL, ECS, SQS/SNS, Lambda, CloudWatch, Python, OOD, MVC*

Airspace Technologies / SDET Jan 2019 - Jun 2019

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

*Skills used: Java, Selenium*

Workwell Technologies / SDET Aug 2015 - Aug 2018

* Transition company from entirely manual testing practices, to relying primarily on automated tests. Accomplished a >50% reduction in release times for two products.
* Train a team of entry-level engineers to develop tests and deliver on automation goals.

*Skills used: Java, Appium, Selenium, Android, Node.js*

Projects

Neurothink

2021 [GitHub](https://github.com/jaredloomis/neurothink)

Trained a PyTorch model to determine whether the wearer of an EEG headset has their eyes open or closed. Achieved 82% accuracy with a very small (<500 MB) dataset.

Declare QA

2018 - 2019 [GitHub](https://github.com/jaredloomis/declare)

Innovative no-code automation testing tool using Node.js and React.js.

Andromeda Programming Language

2014 - 2015 [GitHub](https://github.com/jaredloomis/andromeda)

A programming language for graphics programming, based on typed second-order lambda calculus.

Education

Palomar College

2013 - 2016

Related coursework:

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

Skills

Languages

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

**Technologies**

DynamoDB (Intermediate), AppSync (Advanced), GraphQL (Advanced), OpenGL (Advanced), Linux (Expert), websockets, Lambda (Advanced), S3 (Advanced), PostgreSQL (Intermediate), MongoDB (Advanced), nginx (Beginner), HTTP/REST (Expert), distributed systems (Expert), RabbitMQ, LetsEncrypt SSL, Git, Vim, HTML, CSS, Jira, jQuery, SNS (Intermediate), SQS (Intermediate)

**Techniques**

Object-Oriented Programming, AGILE, full-stack web development, SPA, domain-specific language design (Expert), declarative programming, functional programming (Expert)