

Abiy Seifu

Software Engineer

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Introduction

I am passionate about building service-oriented back-end systems with Node.js using a test-driven and performance-oriented approach. From design, through implementation to deployment, I have worked closely with engineers and product owners to take multiple projects to launch and beyond.

Technologies and Tools

JavaScript/ES6, Node.js, Mocha, PostgreSQL, MongoDB, Redis, Bash, Ansible, AWS, CircleCI, nginx, Linux, Git

Experience

MOTI, Software Engineer, June 2016 (Contract)

- Designed and built an internal tool to automate device configuration and firmware deployment newly manufactured controllers on top of particle.io's IoT platform in Node.js and PostgreSQL

Ripple, Software Engineer, March 2014 - March 2016

- Built the Ripple enterprise ([Ripple Connect](#)) payment processing and pre-transaction messaging orchestration service in Node.js
- Designed, built and owned load simulation software for benchmarking and revealing complex bugs throughout the [Connect](#) stack
- Identified and fixed bottlenecks using Linux Perf and Flamecharts to improve Transaction Per Second
- Contributed to gatewayd, Ripple's open-source gateway software and built a Bitcoin bridge plug-in
- Collaborated across the engineering team on code reviews to ensure work was clean, DRY and modular
- Wrote documentation, unit and integration tests
- Built deployment and configuration tools using Ansible and Bash
- Followed Agile Software Development methodologies

Nitro Software, Front-end Engineer, Aug 2013 - March 2014

- Shipped 5 high-traffic localized sites supporting 12 languages, 1.5 MM monthly unique visitors
- Developed and owned Nitro's marketing oriented client-side JavaScript library
- Integrated third-party e-commerce (Cleverbridge) and support (Zendesk) APIs
- Mentored two junior team members

Accenture, Software Engineer, Feb 2013 - July 2013

- Collaborated with data scientists and business analysts to flesh out specs prior to development
 - Created wireframes from user stories and functional requirements
 - Developed dashboards to visualize large amounts of Digital TV data to analyze audience viewing patterns using Google Charts JavaScript API
- Clients: EMC (Remote), Time Warner Cable (On-site)*

U.S. Department of Transportation, Web Developer, Oct 2009 Jan 2013

- Designed, implemented and maintained Section 508 compliant micro-sites in ColdFusion
- Worked with Highway Engineers and other stakeholders to transform requirements into UIs

Education

The Art Institute of Pittsburgh, Bachelor of Science, Media Arts & Animation, 2004 - 2008