

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