Abiy Seifu

Software Engineer

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Introduction

My passion lies in Node.js based back-end technologies, service-oriented architectures and the API-centric web. I embrace test-driven development and a performance-oriented approach. I'm well versed in designing, implementing, testing and deploying software in an agile environment.

Technologies and Tools

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

Experience

Ripple, Software Engineer, March 2014 - March 2016
- Implemented the orchestration service of Ripple's enterprise payment processing and pre-transaction messaging software (Ripple Connect) from the product's inception in Node.js
- Worked with product manager to develop other key features based on product spec and acceptance criteria
- Collaborated across the engineering team on code reviews to ensure code was clean, DRY and modular
- As part of my deliverables, wrote documentation, unit tests and integration tests
- Designed, built and owned load simulation software that was used for benchmarking and exposing complex bugs throughout the Ripple Connect stack.
- Using Linux Perf, generated Flamecharts to profile Ripple Connect and identify, isolate and fix bottlenecks to improve Transactions Per Second
- Wrote deployment scripts using Ansible and configuration tools in Bash
- Contributed to gatewayd, Ripple's open-source gateway software and built a Bitcoin bridge plug-in
- Followed agile 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
- Helped mentor two junior team members

Accenture, Software Engineer, Feb 2013 - July 2013
- Developed business-facing dashboards that visualized large amounts of Digital TV data to analyze audience viewing patterns using Google Charts JavaScript API
- Utilized Twitter Bootstrap to quickly create prototype dashboards and UI components
- Analyzed user stories and translated functional requirements into wireframes
- Collaborated with data scientists and business analysts to flesh out specs prior to development
  Clients: EMC (Remote), Time Warner Cable (Traveled On-site)

U.S. Department of Transportation, Web Developer, Oct 2009 Jan 2013
- Designed, implemented and maintained Section 508 compliant microsites 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