

Abiy Seifu

Software Engineer

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Technologies and Tools

JavaScript, React, Node.js, Ruby on Rails, PostgreSQL, MongoDB, Redis, Bash, Ansible, AWS, nginx, Linux, Git

Experience

ABL Schools, Full Stack Software Engineer, November, 2016 - Present

- Helped build core features of the ABL Master Scheduling tool in React and Ruby on Rails
- Led projects end-to-end, from requirement gathering, feature validation to implementation
- Helped model the domain in a relational database (postgres)
- Wrote serializers and deserializers to transform data in and out of the ABL tool (i.e Constraint Solvers and other School Information Systems)

Ripple, Software Engineer, March 2014 - March 2016

- Built the Ripple enterprise 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 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
- Wrote comprehensive 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