

Backend software engineer with five years of experience. Comfortable with developing APIs, gitflow branching, deploying with continuous integration, and frontend development. Proven capability to actualize and ship software on time. Ability to communicate with clients and derive requirements.

Work Experience

Software Engineer - Elixir / Phoenix Developer

08/2016 – 01/2019

onXmaps – Missoula, Montana

- Successfully migrated a live Ruby on Rails application to an Elixir / Phoenix application. Users data was kept intact and remained backwards compatible and persisted with MySQL.
- Developed RESTful and GraphQL APIs for mobile and web clients. Application resource usage was minimal and the project maintained at least 90% code coverage.
- Extensive experience with immutable data, pattern matching, long running processes, and writing fault tolerant code.

Research Assistant - Center for Research in Extreme Scale Technologies

08/2013 – 05/2015

Indiana University – Bloomington, Indiana

- Developed and deployed an asynchronous client/server single page application built on top of web sockets using Node.js and AngularJS.
- Gave clients the ability to inspect nodes on the network, submit topological performance tests, and visualize the results.
- Integrated as a layer in an existing network instrumentation and measurement system.

Ruby on Rails Developer - Leadership Computing Facility

06/2012 – 07/2013

Oak Ridge National Laboratory – Oak Ridge, Tennessee

- Designed, developed, tested, and deployed a database heavy application. Exposed to all layers of the modern MVC stack.
- Internal application used to track the resources and allocations for scientists and their projects on the world's fastest supercomputer.
- Closely collaborated with mentor, database designer, and system administrator.

Education

Master of Science in Computer Science - May 2016

School of Informatics and Computing, Indiana University – Bloomington, Indiana

Bachelor of Science in Computer Science - Dec. 2012

College of Basic and Applied Sciences, Middle Tennessee State University – Murfreesboro, Tennessee