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EXPERIENCE

- **Pivotal Software** San Francisco, CA
Senior Software Engineer *January 2014 – Present*
 - **Diego:** An open source distributed system for container orchestration that is used as the core runtime to Cloud Foundry. I worked on this project for over two years, with one year as the team lead. I helped the project reach it's first major version, become stable in production environments, and scale to manage over a quarter of a million containers. The project is mainly implemented in Golang.
 - **Cloud Foundry Runtime:** An open source project that dealt with the core components to Cloud Foundry. This included distributed container orchestration, user facing API design and implementation, and distributed routing and service discovery. I worked on this team for over a year and worked to increase the platforms stability and add a large number of user facing features. The project is mainly implemented in Ruby and Golang.
 - **Security:** A project focused on providing other Cloud Foundry teams with the ability to build and operate secure software. I worked on this project for six months with four of those as the team lead. I worked extensively on the product direction and implementation of the BOSH process manager which uses runc to execute processes in secure containers. The project is mainly implemented in Golang.
 - **Cloud Foundry Frontend:** A project focused on providing a web interface to Pivotal Cloud Foundry and Pivotal Web Services. I worked on this project for four months. I worked extensively on transitioning the project to a new Javascript library as well as helping finish a user interface re-design. The project is mainly implemented in Ruby and Javascript.
- **Pivotal Labs** San Francisco, CA
Software Engineering Intern *May 2013 – August 2013*
 - **Greenplum Chorus:** A web interface to various database systems with added collaborative features to facilitate data sharing amongst organizations. I worked on the backend and frontend of the application which was mainly implemented in Ruby on Rails and backbone.js. I got extensive experience using various datasources such as Greenplum DB, Oracle DB, Hadoop, and HAWQ. I worked as a consultant and worked to teach agile programming to the client as well as continuous integration.

EDUCATION

- **University of California, Berkeley** Berkeley, CA
College of Engineering, B.S. Electrical Engineering and Computer Science *August 2010 – December 2013*
 - Focused my studies on computer science with some background in electrical engineering
 - Courses taken include: Artificial Intelligence, Operating Systems, Programming Languages and Compilers, Advanced Algorithms, Computability and Complexity, Database Management Systems, Introduction to Communication Networks, and Computer Security

PROGRAMMING SKILLS

- **Languages:** Golang, Ruby on Rails, Javascript, Java, Python, Scheme, C, Android SDK, HTML/CSS
- **Technologies:** Continuous Integration, Runc, Docker, Kubernetes, AWS, GCP, Unix Systems, BOSH