

## EXPERIENCE

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### **Pivotal Software**

*Staff Software Engineer*

San Francisco, CA

*January 2014 – Present*

- **BOSH** as Team Lead, *Ruby, Golang*:
  - \* An open source platform for securely managing and deploying distributed systems
  - \* Worked to stabilize the team across multiple offices, and contributed to transitioning the product into becoming an efficient and secure tool for deploying Kubernetes clusters
  - \* Some responsibilities as team lead include: holding long term knowledge on the project, on-boarding new team members, being contact point for engineering on the project, working with customers and product to determine the direction of the project
- **Diego** as Team Lead, *Golang*:
  - \* An open source distributed system for container orchestration that is the core to Cloud Foundry
  - \* Lead engineering on the team to drive the project to it's first major version, become stable in production environments, and scale to manage over a quarter of a million containers
- **Cloud Foundry Container Runtime**, *Golang*:
  - \* Worked in Dublin, Ireland for 3 months to provide experience and guidance to engineering
  - \* Contributed to building a BOSH release for Kubernetes to be used in PKS
  - \* Heavily inspired and contributed to an open source BOSH release for ETCD to replace existing implementation
- **Security** as Team Lead, *Golang*:
  - \* Worked extensively on the product direction and implementation of the BOSH process manager that uses runc to execute processes in secure containers
- **Cloud Foundry Runtime**, *Ruby, Golang*:
  - \* Worked on distributed container orchestration, user facing API design and implementation, and distributed routing and service discovery
  - \* Increased the platform's stability in production environments and added a large number of user facing features

### **Pivotal Labs**

*Software Engineering Intern*

San Francisco, CA

*May 2013 – August 2013*

- **Greenplum Chorus**, *Ruby, Java, Javascript*:
  - \* Got extensive experience using various data sources such as Greenplum DB, Oracle DB, Hadoop, and HAWQ
  - \* Worked as a consultant and worked to teach agile programming to the client as well as continuous integration

## EDUCATION

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### **University of California, Berkeley**

*College of Engineering, B.S. Electrical Engineering and Computer Science*

Berkeley, CA

*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

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- **Languages:** Golang (proficient), Ruby (proficient), Javascript (moderate), Java (moderate), HTML/CSS
- **Technologies:** Continuous Integration, Runc, Docker, Kubernetes, AWS, GCP, Unix Systems