

# Raymond Colebaugh

Santa Cruz, CA

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## Education

**UC Santa Cruz** Aug 2013-Aug 2015  
Santa Cruz, CA  
Bachelor's of Computer Science

## Work Experience

**X2Engine, Inc.** Senior Software Engineer  
Santa Cruz, CA Dec 2013-Present

- Improved flexibility and performance of CSV import functionality by generalizing code across models and updating code to insert records in bulk.
- Built X2Packager system for importing/exporting custom application verticals.
- Implemented PHP backend for IMAP email client.
- Built X2Identity cookieless web tracker.

**BareMetal Networks** Sysadmin/Dev Intern  
San Jose, CA Jan 2011-Jan 2013

- Helped write Ruby distributed IDS client.
- Wrote C modules for packet sniffing and statistics processing to store attributes for traffic classification.
- Contributed to Rails web interface for managing node settings.
- Configured, secured, and maintained production and development Debian servers.
- Deployed Ruby/Rails applications via Apache and Passenger with MySQL for data storage.

## Projects

**Akamai Resource Timing Data** Developer

- Wrote Puppet modules to configure uniform development and data analysis environments with Apache, BIND, Hadoop, Impala, Pandas, Numpy
- Assisted in integration of Pandas and Numpy Python analysis scripts with Akamai's internal Perl analysis framework.
- Contributed to development of Python data analysis scripts for measuring and predicting successful applications of Akamai's optimization features.

## Community For Me

Web Developer

- Contributed to development of community search and aggregate site written in Go with jQuery and Foundation CSS.
- Assisted in deployment using Heroku, PostgreSQL, and CloudFlare.

## SEAD Systems

Software Developer

- Coauthored simple Python REST API used to efficiently integrate web frontend with PostgreSQL database.
- Assisted in development of Go landing zone ETL server for collecting sensor data from embedded devices for bulk insertion into PostgreSQL.
- Wrote Puppet modules and manifests to automatically configure backend servers.

## Relevant Skills

### • Programming Languages

- Ruby
- PHP
- Python
- C/C++
- Go (Golang)
- Bash
- JavaScript
- Java

- Practicing Agile development, scrum methodologies, and pair programming with Subversion and Git SCM.

- Web development with Ruby on Rails, PHP with Yii Framework, Go, JavaScript, and jQuery.

- Installing, hardening, and maintaining Debian/Ubuntu and RHEL/CentOS servers with LAMP and Ruby on Rails stacks.

- Virtualization technologies including Vagrant, VirtualBox, Xen, Amazon Web Services, Google Compute Platform, and Digital Ocean.

- Cisco TCP/IP networking, static and dynamic routing, First-Hop redundancy, VLANs, and Spanning Tree.

- Linux and Cisco PIX firewalls, VPN, intrusion detection, pentesting, vulnerability assessment, malware removal, and web app vulnerabilities.

### • Storage Technologies

- RAID
- LVM
- DRBD
- NFS
- Samba
- NetApp SAN/NAS