

# Joel Bradshaw

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cincodenada.com · github.com/cincodenada

## Summary of Qualifications

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### Skills:

- Designing and implementing scripts, circuits, programs, and applications, individually and as part of a team
- Creating maintainable, well-structured code while being mindful of time and resource constraints
- Administering Linux systems, tracing logfiles and monitoring, efficiently troubleshooting problems
- Quickly understanding and acclimating to large projects and systems, well-versed in OOP design and TDD/BDD
- Engaging productively within a team to help best use members' individual skills
- Working and communicating with end-users personably and comfortably

### Proficiencies:

- Languages:
  - Experienced in PHP, Javascript, Python, Puppet, SQL, HTML5/CSS3
  - Familiar with C, C++, C#, Java, BigQuery, R, Node.js, Chef, Ansible, Perl, Bash scripting
  - Dabbled in/interested in Ruby, Rust, Scala, Haskell, Piet, MATLAB, Z80/M8C/MIPS Assembly
- Primary framework experience in AngularJS and CakePHP, familiar with ReactJS, SQLAlchemy, Flask
- Main tools and platforms used include LAMP stack, Vim, Git, Vagrant, XDebug, GNU utilities
- Passionate about charts, graphs, mapping, and other beautiful data

## Experience

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### **CTO - SERPs.com, Portland, OR, September 2009 - March 2017**

- Built SaaS web analytics application from the ground up to over 400 customers and \$60k MRR
- Planned long-term and short-term roadmaps for the company in cooperation with CEO
- Evaluated feature requests and future plans, determining feasibility and priority
- Managed junior developer, assigning tasks, assisting with questions, and introducing to the codebase
- Developed Puppet spec for dozens of Linux servers, increasing reliability and reducing deploy time 10x
- Provisioned machines from diverse providers including Linode, DigitalOcean, AWS, and colocated bare-metal
- Maintained and improved queue-worker cluster using several stages to process data from >500k daily jobs
- Managed MySQL servers and schema for 250GB dataset with >1m rows added per day
- Supervised transition to a sharded HA database cluster using MySQL Fabric and data warehousing, improving loadtime of most-used page >100x for large customers
- Added functionality and fixed bugs in outdated C++ extension, allowing PHP to connect to current Fabric
- Wrote hundreds of unit tests to cover thousands of LOC with custom Jenkins continuous integration server
- Ensured data passed to BigQuery for secondary analysis was clean and consistent with primary store
- Built monitoring system with TICK stack and Grafana, improving issue response time and speeding diagnosis

### **IT Specialist - Seattle Fire Department, Seattle, WA, September 2010 - June 2011**

- Tested and filed bug reports for custom in-house applications on a variety of platforms
- Performed initial research to suggest fixes to development team
- Assisted in application development as needed
- Developed utilities for better management of custom applications, including adding them to a Git repository
- Created and cleaned up Visio drawings of building layouts for firefighter reference

### **Summer Software/Hardware Intern - Fluke Corporation, Everett, WA, June 2010 - September 2010**

- Modified software and hardware in an existing product to meet higher safety requirements
- Wrote firmware to support new hardware in existing codebase, complying to coding standards and structure
- Worked as part of a team of software and hardware engineers to design part of a complex system

### **Creator - QuoteBook Facebook application, December 2006 - January 2010**

- Developed a Facebook app dedicated to adding and sharing quotes from friends and others
- Wrote and maintained full stack with PHP, MySQL, HTML/CSS
- At its peak, 30,000 Facebook users had added 120,000 quotes

## Education

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Bachelor of Science, Computer Science

Bachelor of Science, Electrical Engineering - Seattle Pacific University, June 2011