

ROBERTO GUTIERREZ

Full-Stack Engineer



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I am a creative, collaborative software engineer with strong user empathy. I have over five years of professional experience building web applications and tools to empower colleagues and customers to do their best work.

SKILLS

Python, Django, webapp2, webtest, PHP, Wordpress, Ruby on Rails, RSpec, Capybara, MySQL, Google Datastore, Google Bigquery, HTML, CSS, Javascript, Bootstrap, d3, Angular, React, Jenkins, Google Cloud Platform, Google App Engine, Amazon Web Services, Vagrant, Github, Jira, Agile, Linux

AWARDS

- MVP award from Chico State Game Studios for outstanding work ethic and dedication
- Awarded National Science Foundation scholarship

EXPERIENCE

Carnegie Foundation for the Advancement of Teaching

Stanford, CA | August 2014 - present

Lead Web Developer (July 2019 – present)

- Lead work in rebuilding one of our key web applications, from planning implementation, providing several system architecture options and timelines, and garnering input from external consultants to make sure we get it right
- Complete thorough code reviews for other developers' pull requests, providing ways to optimize or rethink sections as well as encouraging a standard coding style
- Meet with developers and other members of the team to collect feedback and address issues, both in team and one-on-one settings; surface feedback and issues to managers and executives when necessary

Continue all other web developer duties

Web Developer (August 2014 – July 2019)

- Developed multiple web applications utilizing Python (webapp2, Django), Ruby on Rails, and PHP (Wordpress). Implemented applications in Google App Engine. Designed frontend interfaces with Bootstrap and jQuery.
- Wrote unit tests and system tests to simulate real user activity using RSpec, Capybara, and webtest.
- Created RESTful APIs that utilized GET/POST variables, form-encoded data, and JSON, to allow our web applications to interface with one another in a universal manner.
- Designed database schema and data models for MySQL, Google Datastore, and Salesforce.
- Generated reports from multiple data sources including MySQL databases, Google Datastore and Bigquery, and Salesforce. Utilized the d3.js library for data visualization.
- Administered applications on Google Cloud Platform and Amazon Web Services, including setting up VMs, disk images, load balancers, GCS/S3 buckets, and databases.
- Managed work using Agile practices. Conducted sprint planning and retrospective sessions. Customized and organized Jira to facilitate both development and design tasks.
- Created release schedule, wrote Jenkins jobs to automate our deployments and make them zero-downtime.
- Collaborated on job descriptions and conducting interviews, ultimately hiring two new team members.
- Assisted with support and wrote guides for our helpdesk

EXPERIENCE (CONT.)

- Wrote training manuals and facilitated staff training sessions for using Salesforce and our other web applications
- Created documentation for internal processes, as well as for team norms and priorities, to streamline team onboarding and guide our work for the coming fiscal year

Web Developer | Signature Services

Chico, CA | May 2013 – February 2014

- Streamlined internal processes by writing an administrative backend for staff to use
- Updated company's website, reorganized files and fixed bugs
- Maintained additional static and Drupal websites
- Troubleshooted software and hardware issues on both office computers and servers

Programmer | Chico State Game Studios

Chico, CA | 2012 - 2013

- Implemented combat, gameplay, progression, and UI systems
- Fixed bugs and reiterated on systems based on team lead and producer feedback
- Imported and connected assets from other team members such as animations, sounds, UI elements, and 3D models
- Developed roadmap, created deadlines, and held weekly meetings to discuss progress and update roadmap when necessary

Web Developer | California State University, Chico

Chico, CA | 2009 - 2010

- Developed web pages for existing sites using PHP and ASP. Modified themes and plugins for Wordpress and Joomla! sites.
- Created and maintained MySQL and MSSQL databases
- Wrote complex queries and views for common data requests
- Troubleshooted software and hardware issues on both office computers and servers

Intern/Freelance Web Developer | Association of International Product Marketing and Management

Carson City, NV | 2007 - 2014

- Designed graphics for conference materials using Photoshop
- Provisioned and maintained several Wordpress sites, utilizing a common design and theme for each one
- Utilized APIs from Zoho CRM, Invision Power Board, and aMember to integrate external services into existing website

EDUCATION

California State University, Chico

B.A. Communication Design

Minor in Video Game Design