

# Susan Prestage

[linkedin.com/in/susanprestage](https://www.linkedin.com/in/susanprestage)  
[portfolio.susanprestage.com](https://portfolio.susanprestage.com)  
[github.com/sprestage](https://github.com/sprestage)

susan.prestage@gmail.com  
425-919-3122

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Web developer with primary focus of Ruby on Rails. Years of industry experience in the development life cycle, designing, testing, and supporting software and hardware products. Specialist in UNIX environments and TCP/IP networking. I am happiest when deep in code or crafting from a command line.

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## SKILLS

Ruby  
Rails

JavaScript  
unix

HTML5  
CSS3

SQL  
devOps

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## EMPLOYMENT

### workZeit

2014-2015

*A SAAS web application that provides an innovative environment for teammates, managers, and companies to send and receive feedback. The service is notable for its extensive and sophisticated analytics tools provided to team managers and administrators. featherlight provides a better tool for improving one-on-one feedback and supporting the dreaded yearly review.*

- Web development using Ruby in a Rails framework.
- Very strong back end and SQL skills providing data to the front end.
- DevOps for all deployments, bugs, and live site issues.
- An agile, remote team with daily standups and two week sprints, using Skype, Trello, Slack, Github, and Heroku.
- Use of JavaScript and Angular when help needed on front end.
- Extensive refactoring of old code into code that is simple, readable, and easily modifiable.

### DreamBox Learning

2010-2011

*Adaptive learning, curriculum-based math lessons for kids, K-5, wrapped in a fun web-based environment.*

- Server and client testing in a Ruby on Rails environment.
- Merged code fixes into the production branch using SVN (Subversion). Deployed fixes to production environment using Capistrano.
- Used NewRelic and Splunk to monitor health of livesite and to troubleshoot livesite issues.
- Used agile methods to release server features and fixes to production every 6-8 weeks.
- Worked as a team to ensure system designs met internal scalability, performance, and reliability goals of the ability to handle 10-100 times current traffic.

### Expedia

2006-2008

*Back-end group responsible for payments and fraud.*

- Learned and heavily used SQL queries to confirm accuracy of data.
- Tested i18n, internationalization.
- Supported SSO (single sign-on) agent tool through two years of releases.

### Google via WorkForce Logic

2005-2006

*Sitemaps group enables webmasters to publish lists of links from across their websites.*

- Agile team with a fast paced release schedule issuing multiple new features every six to eight weeks.
- Automated the acceptance tests for new builds reducing time from 8 hours to 1 hour.
- Automated further tests to cover the most critical (and fragile) areas of Google Sitemaps.

**Also contributed to teams at Cisco, Cray, Aventail, and Microsoft**

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## PROJECTS

[Professional Portfolio](#), a Rails 3 application

2013-2015

A Ruby on Rails website showcasing the various full stack web developer skills gained through CodeFellows. This Rails 3 application demonstrates my working knowledge of Ruby, HTML, CSS, Javascript, jQuery, Twitter Bootstrap, and many gems.

- Set up continuous integration through Travis CI for automated testing (with Minitest) and subsequent deployment to Heroku.
- Implemented Postgres for test, development, and production environments.
- Attention paid to code coverage thanks to both CodeCoverage and SimpleCov.
- Use and customization of Twitter Bootstrap for site personalization.
- NewRelic configured to monitor and ping site to keep live (and not sleeping according to Heroku default).

[The Unofficial Trakehner Database](#), a Rails 4 application

2013-2014

Collaborative pair project for Code Fellows Ruby on Rails bootcamp, with Nathaniel Barnes. A website for the Trakehner horse enthusiast, with emphasis for Trakehner breeders.

- Use of AWS for CNAME, DNS, and S3 hosting of the user uploadable horse images.
- Security concerns improved through use of Brakeman, keeping keys out of Github, and sanitizing user entered data before storage to database.
- Devise for authentication. Pundit and Omniauth for authorization according to policies and roles. Gemnasium used to keep track of new gems.
- Added basic i18n support for German.
- Implemented tables using simple\_form gem for simplicity and straightforwardness of page design.
- Responsive design added for improved mobile experience.

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## VOLUNTEER WORK

**RailsBridge, TA**

2014

Free weekend workshops where women learn Ruby on Rails from volunteers. The students at RailsBridge workshops range from folks who are completely new to programming to QA engineers and professional developers who want to learn Rails. During the Installfest (usually on a Friday evening), Teachers and TAs get students' laptops setup with the requisite technologies. The next day, students break into small group based on experience level and build a web app!

**Ada Academy, TA**

2014

Ada Developers Academy (Ada) is an intensive software developer training school for women, teaching full-stack web development. Students are learning Ruby, Rails, HTML/CSS, and JavaScript. Additionally, students are learning how to work on agile development teams, using pair programming, scrum, and test-driven development.

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## FORMAL EDUCATION

**University of California, Santa Cruz**

BS Computer Engineering

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## CONTINUING EDUCATION

**Code Fellows**, Ruby on Rails Dev Accelerator

Fall 2013

An 8 week intensive Ruby on Rails course with 4 hours of classroom study and 4+ hours of project work each day. I was one of 21 students selected from over 400, based on interviews, technical aptitude, and grit. In addition to Ruby and Rails, we also used TDD, BDD, Postgres, Travis CI, Heroku, Github, HTML5, CSS3, Javascript, jQuery, Capybara, minitest, and many others. Code Fellows alumni are trained to find resources and learn quickly.

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## ABOUT ME

I spend weekends on my horse ranch in North Bend, enjoying my horses, indulging my cats, gaming with my family, and learning about new things geeky and techy.