

PAUL WILLIAM DOWNING

OBJECTIVE

Looking for Software Engineer work that prioritizes writing reliable feature code, with a strong focus on test-driven development. I strive hard to create quality code with comprehensive tests in order to deliver quality features to customers in a timely manner. I want to work with a vibrant company to develop their software footprint.

TECHNICAL SKILLS/TOOLS

- React/Redux
- Ruby on Rails
- TDD using jest (react) and rspec, capybara, and cucumber with Selenium WebDriver
- Git
- Basic SQL query knowledge
- Agile Development using Jira
- Heroku deployments
- Gitlab | Github and Jenkins continuous integration
- Some AWS experience with S3 bucket and EC2 instances
- Some Docker experience

EXPERIENCE

Software Engineer – TeamSnap

- Replaced Mobx with Redux and ReduxForm in a major frontend application
- Setup frontend automation in multiple projects to start tracking and increasing code coverage
- Participated in discussions with product and UX leads to redesign account application
- Implemented specific client registration forms using Rails and JQ

Software Engineer – Granicus

- Rewrote the entire frontend of application from Ember.js into React.js using axios to make request to the backend ruby on rails api and redux for state management.
- Implemented Jest testing for react applications to provide fellow engineers the toolkit and design patterns to complete frontend testing while increasing overall react code coverage from 30% to 70%.
- Implemented Ruby on Rails feature code and trained a colleague with no ruby or rails experience to do the same.
- Served as DEV and QA resource for datacenter failovers making sure applications are successfully deployed.

Software Automation Engineer – Granicus

- Wrote automation test cases in Cucumber; utilizing Ruby with the capybara library and selenium webdriver.
- Automated over 1500 backlog test cases by writing them into integration, controller, and model tests. This reduced our regression cycle by 10 days.
- Created Jenkins builds to run test suites on a regular basis and organized fashion.
- Participated in both bug review processes and worked regularly using agile development methods.
- Rewrote an entire test suite from cucumber to Rspec to increase test consistency and reliability.
- Performed manual testing on some features when necessary.

Personal Work

- Developed some sample applications to teach myself Ruby on Rails development with a focus on Test-Driven Development and MVC Restful architecture.
- Built a small react app mimicking Youtube utilizing the Youtube search API and redux.
- Developed my first personal iPhone app – a simple tip calculator using XCode

CODING SAMPLES

Youtube React App – A twitter like app, with custom built user authentication and test cases. GH: <https://github.com/downing034/react-redux-youtube-player>

Yelpdemo – A replication of Yelp! and a few of their features.

<https://yelpdemo34.herokuapp.com>

GH: <https://github.com/downing034/yelpdem>

Twitter App – A scaled-back version of Twitter based on the Rails Tutorial

<https://sample-twitter-app-demo.herokuapp.com/>

GH: <https://github.com/downing034/twitter-app>

AWARDS

Awards

- Nominated for 5 Grannie Awards – award voted by peers for outstanding work
- Four-time employee of the quarter nominee
- Maintained 97.5 % customer satisfaction rating over 1.5 years, 2000+ cases.

EMPLOYMENT HISTORY

Granicus , Saint Paul, Minnesota <u>Software Engineer</u>	01/2018 - Present
Granicus , Saint Paul, Minnesota <u>Software Assurance Engineer</u>	01/2017 – 01/2018
Granicus , Saint Paul, Minnesota <u>Quality Assurance Engineer</u>	10/2015 – 01/2017
SPS Commerce , Minneapolis, Minnesota <u>Associate Quality Assurance Analyst</u>	10/2014 – 10/2015
SPS Commerce , Minneapolis, Minnesota <u>Support Center Lead</u>	10/2013 – 10/2014
SPS Commerce , Minneapolis, Minnesota <u>Senior Customer Operations Analyst</u>	03/2013 – 10/2014
SPS Commerce , Minneapolis, Minnesota <u>Customer Operations Analyst</u>	07/2012 – 03/2013

EDUCATION

B.S., Sports Management, University of Minnesota, Minneapolis, Minnesota

Graduation: Spring 2012

Focus on Marketing, Community Relations, Brand Management, and Customer Relations