

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, Create React App, Vite
- Javascript/Typescript
- React Testing Library/Enzyme
- Ruby on Rails
- Some Figma
- Bootstrap/Material-ui, styled components
- Some Tailwind
- Agile Development using Jira and Shortcut
- Heroku and Netlify deployments
- Gitlab | Github and Jenkins continuous integration
- Some AWS experience with S3 bucket and EC2 instances
- Some Docker experience
- Git, Sentry

EXPERIENCE

Sr. Software Engineer II – Kava Labs

- Assisted in architecting Kava-Labs' web app using react/redux, react testing library, enzyme, and material-ui
- Setup Sentry for web app error monitoring and contributed to 3rd party crypto packages to fix bugs.
- Worked with UX to design and wireframe concepts for future app features, sometimes through multiple iterations
- Built A/B testing and google analytics event tracking to assist design/product with user metric tracking and conversions
- Built a pair programming exercise for F.E. engineering that served all skill levels of engineer hiring (using react)
- Converted the majority of the application from javascript to typescript
- Managed sprints for the front-end team working closely with product to ensure features driving business goals were completed on time.
- Lead and mentored a team of 4 frontend engineers, (2 S.E.'s, 1 Jr. S.E.)

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 300 backlog test cases by writing them into integration, controller, and model tests. This reduced our regression cycle by 10 days.

Personal Work

- Built a personal profile website at home.pdowning.com
- Built a small Jeopardy! like site to play around with different javascript libraries
- Working on a sports homepage app that will serve as a personal ESPN to things I like sports news on.
- 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.

CODING SAMPLES

Paul's Portfolio – A react/typescript portfolio application

S: <https://home.pdowning.com>

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

Quiz Game – A react/typescript, single game board mimicking “Jeopardy!”

S: <https://quiz.pdowning.com>

GH: <https://github.com/downing034/quiz-game>

AWARDS

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

EMPLOYMENT HISTORY

Kava Labs , (Remote) <u>Sr Software Engineer</u>	10/2020 - Current
TeamSnap , (Remote) <u>Software Engineer</u>	10/2019 - 04/2020
Granicus , Denver, Colorado <u>Software Engineer</u>	01/2017 – 10/2019
Granicus , Saint Paul, Minnesota <u>Quality Assurance Engineer</u>	10/2015 – 01/2017

EDUCATION

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

Spring 2012

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