

PAUL WILLIAM DOWNING

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SUMMARY

Results-oriented, innovative Sr Software Engineer who can easily communicate complex technical requirements to non-technical stakeholders. Excellent record of leading development teams, working on enterprise-wide development projects, and delivering results.

SKILLS

- Typescript, Javascript, CSS, HTML5, Ruby
- React/Redux, Rails, NextJS, Express
- Testing Library, Jest, Eyzme, Rspec, Capybara
- Bootstrap, Material-ui, Tailwind
- Yarn, NPM, Sentry, Git, Webapp, Babel
- Netlify, some Docker, Kubernetes, AWS
- Problem-solving, Solutions Architecting
- Full-stack Development
- Enterprise Website Management
- Agile Project Management
- Requirements Documentation
- Stakeholder Communication

EXPERIENCE

Software Engineering Manager, Kava Labs, October 2023-Current

- Implemented a CI/CD pipeline that ensured each of our tests suites were run prior to deployment and reduced cycle time and regressions
- Collaborated with designers and the business team to ensure delivered products meet requirements
- Cultivated partnerships between engineering, product, and UX to create holistically designed products
- Drove high-level strategic planning of development efforts across multiple projects to optimize resource utilization and shorten development times
- Provided regular feedback to both junior engineers and senior leadership on individual performance metrics and observations including conducting 1:1s and performance reviews

Sr. Software Engineer II, Kava Labs, October 2020-Current

- Built a well-factored codebase using react/redux, react testing library, and playwright with 80% test coverage, resulting in a more reliable product
- Setup Sentry for error monitoring and sent errors to slack resulting in faster turn-around time on bugs
- Contributed to 3rd party crypto packages to help keep community packages updated.
- Worked with UX to design feature concepts and translated those designs into deliverable tickets
- Built A/B testing using Google Analytics to assist product with user metric tracking and conversions
- Built a pair programming exercise which was used to screen developers across multiple skill levels
- 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
- Created a new-hire onboarding guide which reduced technical setup and onboarding by multiple days
- Collaborated with designers, devs, and business teams to ensure delivered products meet requirements

Software Engineer, TeamSnap, October 2019-April 2020

- Replaced Mobx with Redux and ReduxForm in a major frontend application in order to align our app with the company's other frontend projects
- Setup frontend CI/CD and unit testing through jest/enzyme in multiple projects to start tracking and increasing code coverage which increased code quality and documentation
- Ideated with product and UX to help implement a new design library to be used across multiple frontend projects, making it easier to stay on brand and helping unify the design across apps
- Implemented specific client registration forms using Rails and JQuery which simplified our customer onboarding process

Software Engineer, Granicus, January 2017-October 2019

- Rewrote a user-facing application from Ember.js into React.js using redux for state management and axios to make request to the backend ruby on rails api
- 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.
- Collaborated on user wiziwig project which allowed users to drag and drop components to build templated emails and used websockets for live edit tracking.
- Served as development and quality assurance resource for datacenter failovers making sure applications are successfully deployed.
- 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.

EDUCATION AND TRAINING

Bachelor of Science

Sports Management, University of Minnesota, Minneapolis, Minnesota May 2012

WEBSITES, PORTFOLIOS, PROFILES

- <https://www.linkedin.com/in/paul-w-downing/>
- <https://home.pdowning.com/>