PAUL WILLIAM DOWNING

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SUMMARY

Software engineer with over 7+ years experience implementing Javascript with a focus on single-page applications. Led architecture of key platform that serves 20,000 monthly users and processes $1.1 million in monthly transactions.

SKILLS

- Typescript, Javascript, CSS, HTML5, Ruby
- React/Redux, Rails, NextJS, Express, NodeJS
- Testing Library, Jest, Eyzme, Rspec, Capybara
- Bootstrap, Material-UI, Tailwind, Storybook
- Yarn, NPM, Sentry, Git, Webapp, Babel
- Netlify, familiarity Docker, Kubernetes, AWS

- Solutions Architecting
- Full-stack Development
- Enterprise Website Management
- Agile Project Management
- Requirements Documentation
- Stakeholder Communication

EXPERIENCE

Software Engineering Manager, Kava Labs, October 2023-Current
- Drove high-level strategic planning of development initiatives, maximizing resource efficiency and setting clear project timelines across a myriad of assignments
- Facilitated weekly ceremonies with product and UX enabling iterative development of feature concepts and seamless translation of designs into actionable epics and tickets
- Designed and facilitated a diverse-level pair programming challenge; established a standardized grading rubric that streamlined the technical interview process, resulting in a 40% increase in candidate assessment accuracy
- Delivered comprehensive feedback to junior engineers and senior leadership, contributing to individual performance improvements through regular performance reviews and 1:1 sessions

Sr. Software Engineer II, Kava Labs, October 2020-Current
- Architected Kava's high-traffic, crypto bridge web application, facilitating the processing of over $1.6M in transactions within the initial 2 months
- Enhanced system efficiency by optimizing a CI/CD pipeline, resulting in a 10% reduction in cycle times
- Developed and launched a user-friendly web interface for Kava's 3 chain protocols, leading to a $300M increase in chain value over a 2.5-year period
- Onboarded 4 connectable wallet types, leading to a substantial increase in daily active users and on-chain TVL (Total Value Locked) for the system
- Orchestrated the implementation of a comprehensive bug tracking workflow, enhancing efficiency and achieving a 95% SLA success rate
- Built a reusable A/B testing feature with Google Analytics 4 support, streamlining product workflow testing for the UX and product teams

Software Engineer, TeamSnap, October 2019-April 2020

- Revamped an obsolete, key frontend application by transitioning from Mobx to Redux, ensuring coherence with the technologies in the company's four frontend projects
- Implemented standardized testing and documentation practices, including the addition of unit tests and CI/CD pipelines to 3 projects to ensure high quality and efficiency in software development
- Increased code coverage in a medium-sized project from 9% to 78%, demonstrating expertise in software engineering and commitment to delivering high-quality results
- Engineered design library package with product and UX, streamlining the product and user experience to ensure consistent brand representation across 6 frontend applications

Software Engineer, Granicus, January 2017-October 2019

- Rewrote a small, user-facing application from Ember.js into React.js to help the business integrate products after a recent company acquisition
- Collaborated on WIZWIG project which used web-sockets for live edit tracking and allowed users to drag and drop components to build HTML email templates
- Converted over 300 manual test cases to controller, model, integration, and end to end tests which reduced the regression cycle from two weeks to four days
- Mentored a colleague with no coding experience who was learning Ruby on Rails

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/