

Michael Perng

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Software Engineer

React JS • Node JS • Javascript • Typescript • HTML/CSS
Python • Docker • AWS • Azure • GCP • Blender • Cursor • Gemini CLI
experienced in remote / hybrid work • cross-functional team collaborator
passion for frontend & customers • strongly product-minded • Computer Science degree

Work Experience

Aether Manufacturing, Remote

Oct 2025 - Mar 2026

Technical Consultant

- Provided AI, software engineering, and engineering team management advice to the co-founder.
- Exercised strong product intuition to transform Figma mockups into a dynamic, user-centric proof-of-concept web application in 5 days, accelerating the startup's time-to-market.
- Delivered full demo of Stripe payments integration with 1 day turnaround time, giving co-founder a solid proof-of-concept for implementation of payments in the main product.

Zoom Video Communications, Inc., San Jose, CA

May 2021 - Oct 2025

Software Development Engineer - Whiteboard

React JS • HTML/CSS • Typescript • Node JS • Jenkins

- Architected and delivered the Version History and File Upload features, relying on product intuition and competitor research to execute high-quality frontend designs in absence of formal design support and specifications.
- Improved PDF file upload time by 60%, provided Japanese language support for file uploads, and increased per-Whiteboard backend object storage utilization efficiency by 50-80% by implementing a client-side rendering solution.
- Developed and maintained a React shared component library to resolve cross-feature UI inconsistencies and align with Zoom global design system, independently driving frontend UI/UX decisions and executing complex interfaces without dedicated design support.
- Independently found, reported, & fixed bugs. Reviewed code changes of other engineers to improve code & implementation quality. Regularly initiated & participated in technical discussions & provided guidance to the team to improve maintainability & quality of all features.
- Inherited incomplete test automation library & brought it to ready state for handoff to QA / engineering teams & integration into CI/CD pipeline.
- Responded to product Q&A channel & collaborated with engineering team to triage & fix reported issues from internal users & customers.
- Conducted research & implemented POCs for performance improvements & planned features.

Magnus Technologies LLC, Remote

July 2020 - May 2021

Software Developer

React JS • HTML/CSS • Typescript

- Delivered 45+ features.
- Migrated & implemented components from error-prone Mobx-based store & hooks structures to use new React context actions & reducers pattern, increasing overall code maintainability by 10%.
- Refactored table filter component to use modular code & functional programming, increasing component code readability from 35% to 80% & maintainability from 25% to 95%.
- Decreased custom dropdown component error rate by 95% through phased rollout of refactored dropdown implemented with react-select library.
- Increased integration test result confidence by 60% through proposing & implementing new mock API file invalidation script.

- Collaborated with support & PM to identify biggest manual testing pain points; increased planned automated test scenario coverage by 85%.
- Mentored team members in React & Javascript best practices.

CognitiveScale, Austin, TX

Apr 2019 - June 2020

Software Developer

React JS • Redux • Node JS • HTML/CSS • Python • Kubernetes • Docker

- Delivered 2 fully-implemented React dashboard apps for interfacing with the "Certifai" product.
- Fully implemented React application for the "Certifai" product prototype in 2 weeks, enabling short turnaround time for primary customer engagement.
- Implemented major features, fixed bugs, & eliminated technical debt for Cortex 5 dashboard React application.
- Authored key CLI functions in Python to integrate Certifai with 3rd-party cloud services & Kubernetes.
- Bridged communication gap with 2 off-shore frontend team members through 1-on-1 virtual meetings & writing detailed Github issues & code reviews.
- Maintained collaborative working relationships with PM, UX, & management.

Rackspace, Austin, TX

Dec 2016 - Mar 2019

Software Developer

React JS • Redux • Node JS • Web Components • HTML/CSS • Python • Docker

- Refactored 65% of the application code to reduce technical debt by 70% & fully implement internal UI design system.
- Created & maintained a library of shared React components wrapping over the internal web components-based UI library, increasing developer efficiency.
- Implemented user role-based access control groups feature.
- Delivered federated login page & configuration features.
- Centralized duplicate code into a set of intuitive methods & classes, improving developer productivity in user access role features by 50+%.
- Refactored user account list feature to use lazy-load strategy, decreasing load time by up to 25x for customers with large numbers of accounts.
- Integrated private cloud login portal to use federated login service, reducing total number of company-wide login portals from 6 to 5.
- Increased login service acceptance test performance, reducing build & deployment time by 20%.
- Authored Datadog alarm to enable support & on-call teams to monitor failed login rate.
- Maintained AWS environments managed via Terraform, responded to security scans, & regularly patched systems, ensuring 100% PCI compliance over the course of 2.5 years.
- Maintained 100% SLA uptime over the course of 2.5 years through participation in 24/7 on-call support rotation & serving as SME for support & other development teams.

IBM, Austin, TX

Aug 2014 - May 2016

Software Developer

Python • HTML/CSS • Javascript

- Delivered integrity trust security feature & critical IBM Cloud security functionality.
- Contributed to the OpenStack Barbican project.
- Developed features for IAM microservice.

Education

Bachelor of Science, Computer Science

The University of Texas at Austin, Austin, TX - Class of 2014