

Vance Tran

Results-oriented Software Engineer with expertise in React and TypeScript. Proven leader in delivering complex projects and enhancing partner engagement through innovative solutions.

hi@vancetran.com • 858-523-8726 • San Francisco Bay Area

Experience

Solar Mosaic

Jun 2017 — Jun 2025 • Oakland, CA

Staff Software Engineer, Applications Team Oct 2023 — Jun 2025

- Led cross-functional development of the Disbursements feature in the Partner Portal, improving visibility into \$15B in loans across 500K households. Resulted in a 35% reduction in partner support tickets and improved loan disbursement tracking for 500+ active solar partners.
- Developed Recheck API integration, a Solar installer verification service that reduces fraudulent applications by 30% and strengthens compliance across the residential solar network.
- Designed and developed Global Navigation as a seamless bridge for thousands of partners to go between legacy portal systems and the new microfrontend-based Partner Portal.

Senior Software Engineer, Experience Team Jun 2020 — Sep 2023

- Led Frontend Team (5 members) and Scrum (10 FE+BE) to maintain Solar and Home Improvement React webapp and develop future products based on microfrontend architecture, React, TypeScript, and our reusable component library, Mosaic Design System.
- Responsible for technical design documents, code reviews, and individual contributions. Wrote tests using Playwright and React Testing Library. Integrated DataDog and FullStory into frontend to gain insights into real user activity and drive product improvements.

Software Engineer, Growth Team May 2018 — May 2020

- Worked on greenfield React and GraphQL projects: Point of Sale (Home Improvement credit application and project management) and Magnes (Partner onboarding form) to enable Mosaic to break into the Home Improvement lending industry.
- Researched and proposed what would eventually become the Mosaic Design System, a library of reusable components to speed up development and improve consistency.

Web Developer, Marketing Jun 2017 — April 2018

- Worked on Mosaic marketing website and developed custom partner tools and funnels with JavaScript and React to improve workflows.
- Strongly advocated for the Marketing team to move away from Squarespace and towards a more performant, scalable, and maintainable solution like JAMstack static-site generators.

University of California, Office of the President

2013 – 2017 • Oakland, CA

Senior Web Developer, Marketing Communications

- Worked closely with Interactive Designers and the Creative Director to help transform their mockups, comps, and ideas into engaging and user-friendly web sites.
- Responsible for updating, maintaining, and adding features to the [University of California](#) Drupal site, which used a Grunt build process and Sass for styling.
- Collaborated on [Public Office](#) module on the [Power of Public](#) website using Backbone and Require.js. Created [UC Startups](#) data visualization using D3, Marionette, and Backbone.

University of California, San Diego

2006 – 2013 • La Jolla, CA

Lead Web Designer, Academic Computing & Media Services

- Designed and developed websites for over 50 campus departments and groups including the Department of Medicine, Division of Biological Sciences, and the Wm. K. Warren Medical Research Center for Celiac Disease.
- Developed a PHP-based web interface for an internal billing database that was originally based on MS Access.

Freelance

2003 – 2013 • San Diego, CA

Web Designer & Developer

Using WordPress as a CMS, I designed and developed sites for lawyers, small businesses, artists, and architects.

Education

University of California, San Diego. BA in Interdisciplinary Computing and Arts Major - 2006