

Abhi Velaga

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TECHNICAL & PRODUCT SKILLS

Tech Stack: React, Next.js, Astro.js, Node.js, Angular, Jest, AWS, Cloudflare, Vercel, Robot

Methodologies & Tools: WCAG 2.1, Claude Code, CI/CD, Docker, UI/UX Design, Figma, Jenkins

Languages: JavaScript, TypeScript, Python, Java, SQL

EMPLOYMENT EXPERIENCE

Visa, Austin, TX

Senior Software Engineer

March 2023 - Present

- **Drove architectural decisions and cross-functional alignment for merchant-facing features**, partnering with product and design to translate business requirements into scalable technical solutions.
- **Led end-to-end development of merchant-facing payment features** serving ~5,000 businesses and processing ~\$83M/month, acting as technical owner across frontend, backend, and stakeholder delivery.
- **Implemented full WCAG 2.1 compliance across a React application** (screen readers, 400% zoom reflow, semantic HTML, keyboard navigation), eliminating legal risk and meeting enterprise accessibility standards.
- **Developed and shipped mobile-responsive frontend views** for high traffic public payment flows, improving usability across devices for global merchants.
- **Maintained and deployed Java-based APIs** on Kubernetes, improving stability and reducing production deployment failures.
- **Owned monthly production releases and incident response**, executing hotfixes with minimal downtime and zero customer impact.

UI/UX Software Engineer

June 2021 – February 2023

- **Developed and maintained Visa's React component library**, leading WCAG 2.1 accessibility features (mobile reflow, screen reader support, focus management, high-contrast themes) used by Visa and major U.S. banks.
- **Led a project to upgrade white-label UI infrastructure**, enabling fully ADA-compliant customization across bank branding requirements.
- **Built UI and database test automation** using Robot Framework and Selenium, preventing production rollbacks, and increasing transaction settlement accuracy between various payment networks to 100%.

Software Engineer Intern

Summer 2020

- **Designed and built a React frontend** consuming a Django REST API (25+ endpoints), integrated Visa payments, and deployed via CI/CD pipelines to AWS.

Schlumberger, Houston, TX

Software Engineer Intern

Summer 2019

- **Developed a modular micro-frontend packaging solution in Angular** - reducing go-to-market time, internal engineering overhead, and accelerating product delivery for new internal tools.

PROJECTS

abhi.work - Personal Portfolio & UX Case Study - github.com/avelaga/portfolio

- **Designed and built a responsive Next.js site**, implementing SSG, performance optimizations, and CI/CD deployment to AWS S3 + CloudFront.
- **Improved load performance by 300%** and iterated on UX based analytics from 47k+ pageviews.

pebble - Open-Source Headless CMS - github.com/avelaga/pebble

- **Architected a Cloudflare-native headless CMS** (Workers, D1, R2) with versioned REST API and JWT Auth.
- **Built a dedicated Next.js editor** and automated deployment tooling for rapid self hosted setup.

velagaadvisors.com - Private Wealth Management Firm Site

- **Designed and developed a mobile-optimized Next.js site** on AWS with automated serverless lead capture.

EDUCATION

Bachelors in Computer Science, *University of Texas at Austin*, May 2021

Minor in Studio Art