

VIKTOR ZAVALA

FRONTEND PLATFORM / DEVELOPER EXPERIENCE ENGINEER

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PROFESSIONAL SUMMARY

Frontend platform and developer experience engineer with 13+ years of experience building shared infrastructure, design systems, testing platforms, and scalable web applications. Owns a frontend ecosystem spanning approximately 10 repositories and used by approximately 30 frontend and 20 QA engineers. Track record includes modernizing a 40-component design system, helping migrate 1,500 end-to-end tests from WebDriverIO to Playwright, introducing pull-request protection for critical user flows, and evolving shared API and developer-tooling foundations. Deep expertise in React, TypeScript, frontend architecture, test automation, CI/CD, and cross-team technical leadership.

CORE SKILLS

Platform and Developer Experience: Frontend platform engineering, developer experience, internal developer tools, frontend architecture, design systems, component libraries, shared abstractions, API client architecture, microfrontends, technical standards

Testing and Delivery: Playwright, WebDriverIO, Jest, Cypress, MSW, end-to-end testing, unit testing, integration testing, test automation, test strategy, CI/CD, GitHub Actions, Jenkins, GitLab CI, Buildkite

Frontend: React, TypeScript, JavaScript (ES6+), Next.js, Redux, TanStack Query, TanStack Table, React Hook Form, HTML5, CSS3, Tailwind CSS, SCSS/Sass, Vite, Webpack, Stencil

Full Stack and Cloud: Node.js, Express, Fastify, GraphQL, REST APIs, Prisma, PostgreSQL, SQL, AWS, Docker, Python

PROFESSIONAL EXPERIENCE

Senior Software Engineer | JWX | Nov 2023 - Present

- Own and evolve the frontend platform across approximately 10 repositories, including the design system, API communication layer, shared developer utilities, navigation, routing, testing infrastructure, and core dashboard architecture.
- Support a shared frontend ecosystem used by approximately 30 frontend engineers and 20 QA engineers, establishing reusable abstractions and tooling that standardize development across product teams.
- Contributed to migrating approximately 1,500 end-to-end tests from WebDriverIO to Playwright, improving execution speed, reducing flakiness, and increasing consistency and maintainability; introduced pull-request tests for critical user flows to catch regressions earlier.
- Led a complete frontend design-system migration encompassing approximately 40 components, modernizing the dashboard's visual foundation and replacing the legacy component library across the product.
- Delivered the frontend migration from API v1 to v2 while helping evolve the shared API communication library from v1 to v2, enabling adoption of the new service interfaces across multiple repositories.

Software Development Engineer | Amazon Web Services (AWS) | Dec 2021 - Nov 2023

- Served as the sole frontend engineer responsible for delivering the Amazon RDS Console experience for the limited-preview launch of Amazon Aurora Limitless Database.
- Designed and implemented the complete visual workflow for creating and managing Aurora Limitless databases, making the capability accessible through the AWS Management Console without requiring customers to rely exclusively on programmatic tooling.
- Coordinated frontend delivery across Aurora service engineering, product management, UX design, technical writing, AWS CLI, CloudFormation, and SDK teams to align the experience across AWS interfaces.
- Translated distributed-database concepts and service APIs into customer-facing workflows for a product designed to process millions of write transactions per second and manage petabytes of data.

Senior Frontend Engineer | Coolblue | Aug 2019 - Dec 2021

- Delivered homepage, search, navigation, category, and product-discovery experiences for an e-commerce platform serving approximately 2 million active customers across the Netherlands and Belgium.
- Helped establish the frontend and localization foundations used to launch Coolblue in Germany, extending the platform's multilingual product-discovery capabilities into a new market.
- Architected approximately 10 internal content and merchandising applications, including systems for translations, homepage management, advertising placements, and custom category pages.
- Built a token-based localization system and more than 20 reusable content blocks, reducing duplicate translation work and accelerating creation of multilingual advice, promotional, and category content.
- Completed the removal of jQuery from the frontend, reducing the JavaScript bundle by approximately 80 KB while collaborating with roughly 20 engineers on broader platform modernization.

PROFESSIONAL EXPERIENCE - CONTINUED

Senior Frontend Engineer | Modus Create | Feb 2018 - Aug 2019

Part-time Feb 2018 - May 2018; full-time Jun 2018 - Aug 2019

- Contributed to full platform rewrites for Hobsons and Pfizer, replacing legacy interfaces with modern React applications and component-based frontend architecture.
- Rebuilt the Hobsons Intersect UI as part of an approximately 10-person team, improving performance, test coverage, usability, and visual design while delivering against a fixed client deadline.
- Helped modernize a product connected to Hobsons' education ecosystem, which served more than 13 million students across over 13,000 schools.
- Published [The Amazing World of Browser Performance](#), a technical article on browser rendering and practical frontend optimization.

Development Manager | Acklen Avenue | Apr 2017 - May 2018

- Established the company's first formal engineering-management function after joining as its first developer and helping the organization grow to more than 25 engineers.
- Directly managed 25+ software engineers across multiple client teams, providing performance feedback, technical guidance, and career-development support.
- Created a company-wide career-progression framework defining engineering levels, role expectations, competencies, and advancement criteria.
- Replaced ad hoc compensation and promotion decisions with a structured evaluation process, improving consistency and career clarity across the engineering organization.

Senior Full-Stack Engineer | Acklen Avenue | Apr 2015 - Apr 2017

- Owned application architecture and delivery for more than 10 predominantly greenfield client projects, taking products from initial requirements through production.
- Led technical delivery within cross-functional healthcare teams spanning engineering, QA, product ownership, business analysis, and client engagement.
- Built full-stack applications with Node.js, C#, .NET, Angular, and React while contributing to company-wide architecture standards and applying SOLID and test-driven development practices.
- Mentored junior engineers through code reviews, pair programming, and day-to-day architectural guidance.

Full-Stack Engineer | Acklen Avenue | Aug 2012 - Apr 2015

- Joined as Acklen Avenue's first software developer and helped establish engineering practices that supported the organization's growth to more than 25 engineers.
- Built greenfield web applications for clients across multiple industries using full-stack JavaScript and .NET technologies.
- Applied test-driven development, pair programming, code review, and Agile practices to deliver maintainable software and spread engineering knowledge.
- Advanced to Senior Full-Stack Engineer and then Development Manager during five years of company growth.

SELECTED PLATFORM AND PRODUCT WORK

ORE ID - Blockchain Authentication Platform: Developed a React web application, reusable component library, and JavaScript SDK enabling OAuth-based authentication, blockchain account management, and transaction signing.

Trigrow Systems - IoT Platform: Defined the frontend architecture for a Vue.js application integrated with a ColdFusion backend, enabling monitoring and automation of commercial cultivation environments.

Maymont Homes - Real Estate Investment Platform: Built React and TypeScript interfaces and data-rich tools used to evaluate properties, markets, and potential acquisitions.

EDUCATION

Bachelor of Science in Software Engineering | Universidad Tecnológica Centroamericana (UNITEC) | Honduras | Jan 2009 - Mar 2014

LANGUAGES

Spanish - Native | English - Fluent | Dutch - Beginner