

Dean Gilewicz

Technical Leader | AI-Enabled Software Engineer

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Proven technical leader with 10+ years of experience owning complex product initiatives from concept through end-to-end delivery. Accelerates product velocity and business impact through scalable system design, AI-enabled solutions, and effective cross-functional collaboration. Combines deep technical expertise, a strong product mindset, and a focus on execution excellence to drive measurable improvements in developer productivity and system performance.

EXPERIENCE

Staff Frontend Engineer | Swing Education | Aug 2023 to Present

- Served on the engineering **leadership team**, reporting to the COO, owning the technical roadmap and resourcing strategy. Overhauled engineering and project workflows into a lean, iterative model, improving delivery and release predictability
- Led engineering for a core business domain** and served as **Tech Lead** on major initiatives, including a configurable skill builder that increased substitute teacher quality by 25% and enabled non-technical teams to manage content independently, reducing engineering lift. Implemented **authentication** (AWS Cognito, Google OAuth) and **notifications** (SMS - Twilio, push)
- Established **mobile development** workflows and documentation, enabling efficient feature delivery. Trained engineers to ensure apps were consistently app-store ready and capable of receiving immediate OTA updates (Appflow)
- Co-created a modular **design system** to enhance code quality and reusability, and led its adoption across teams, accelerating development velocity and improving UX consistency
- Championed **TypeScript** adoption across the stack and introduced code generation to reduce runtime errors and tightly **integrate frontend and API layers**
- Advocated for tools like **v0.dev**, **bolt.new**, and **lovable.dev** to streamline PRD creation and prototyping, improving cross-functional collaboration and speeding up early-stage validation
- Drove engineering **adoption of AI tools** such as Cursor, creating rules to improve code consistency and quality. Provided insight on **prompting** and how to leverage **Model Context Protocol (MCP)**
- Mentored engineers** in React, TypeScript, and testing. Conducted engineering-wide workshops and talks on technical topics

Staff Frontend Engineer | Homebound | Jan 2023 to Aug 2023

- Architected a **multi-tenant**, just-in-time home configuration app consisting of a **real-time customization engine** supporting complex nested option conflicts, enabling customers to effortlessly design and reserve homes through the online platform
- Led a cross-functional team to build a marketplace with **React**, **TypeScript**, **Fastify**, **GraphQL**, **PostgreSQL**, including advanced UI features like dynamic floor plans, **increasing consumer engagement by 25%** while showcasing product offerings
- Maintained the Beam **design system**, driving increased code quality, reusability, and visual consistency across products
- Played a key role in shaping the engineering culture by **conducting technical interviews** and contributing to the hiring strategy

Senior Software Engineer | Homebound | Jun 2021 to Jan 2023

- Built robust, **observable frontend systems** with **monitoring and alerting** (Sentry, Datadog) to support production readiness
- Code owner of the core frontend repository**; enforced code quality and scalable architecture through reviews
- Spearheaded **cross-functional delivery** of strategic features, aligning technical solutions with business goals
- Elevated team **performance and capabilities** by reinforcing frontend best practices through pairing and hands-on support

Senior Software Engineer | HomeAdvisor (Angi) | Jan 2021 to Jun 2021

- Led frontend architecture** for the core consumer domain powering experiences **used by over 80% of customers**
- Introduced frontend coding conventions and tooling (Nuxt.js, Tailwind CSS, Node BFF) **adopted by 50+ engineers** leading to consistent engineering practices and improving **codebase maintainability** across the organization
- Designed and implemented a **company-wide frontend testing strategy** (Mocha, Chai, Sinon), significantly improving test coverage, reducing regressions, and embedding **best practices in CI/CD workflows**
- Established **onboarding** and mentorship initiatives that **halved engineering ramp-up time**
- Championed **cross-team collaboration** across multiple major initiatives reducing blockers and accelerating project delivery

Software Engineer | HomeAdvisor | Mar 2019 to Jan 2021

- Optimized performance** on the top 10 highest-traffic pages, **significantly improving load times** and **Core Web Vitals** metrics
- Designed and **implemented A/B tests** and engagement-driven features, directly **increasing user conversion rates**
- Developed an **authentication system** supporting magic links, streamlining user access and **boosting membership retention**
- Key contributor to the reusable component library, focusing on **performance and accessibility** enhancements
- Led app migration from JSP and jQuery to Vue.js, adopting **modern build and bundling workflows** **cutting build times by 30%**
- Authored comprehensive **technical documentation** for key domains to support scalability and collaboration across teams

Senior Frontend Engineer | Look Listen Creative | Mar 2018 to Mar 2019

- Led development of **responsive websites**, **single-page applications (SPAs)**, and **hybrid mobile apps** using a variety of technologies (Ember, React Native, GraphQL), delivering scalable, high-performance **cross-platform** experiences
- Evaluated and selected frontend frameworks and tools** based on client needs and team expertise
- Built **reusable UI components** and internal tools to standardize development, reduce code duplication, and deliver robust, user-focused solutions in close **collaboration with Product, Design, and Engineering**
- Defined scalable **CSS patterns** (Atomic, CSS-in-JS) to ensure consistent architecture and maintainability across codebases
- Integrated **RESTful APIs** with **SQL** and **NoSQL** databases, facilitating efficient and reliable data exchange between frontend applications and backend services

Frontend Engineer | Look Listen Creative | Feb 2015 to Oct 2017

- Built **mobile-first PWA** applications using **core web technologies** to ensure optimal user experience across devices
- Streamlined frontend build processes** using tools like Webpack, npm scripts, and task runners, **accelerating development** cycles and deployment velocity by up to 40% across a variety of projects
- Collaborated with stakeholders to build **interactive prototypes**, refining user flows and gathering early feedback
- Partnered with Design to **translate mockups** into pixel-perfect, accessible UIs aligned with brand standards
- Integrated frontend features with **third-party APIs** and backend services, enabling dynamic content and **real-time functionality**

Boys Academy & Recreational Director | Southern Soccer Academy | May 2010 to Jan 2015

- Leveraged **data insights** to design a content system and interactive features that boosted participation and retention
- **Optimized legacy codebase** and **built a scalable internal training system** while supporting tournament operations and logistics to ensure operational efficiency, consistency, and an efficient participant experience

CONSULTING ENGAGEMENTS

Full-Stack Tutor & Mentor | CareerFoundry | Apr 2021 to Apr 2022, Mar 2023 to Present

- **Mentored 50+ students** through a **9-month full-stack program**, offering individualized **technical guidance**, in-depth code reviews, and actionable feedback to improve project quality and technical competency
- Diagnosed individual learning gaps and **provided strategic support**, including curated resources, soft skill coaching, and job-readiness preparation aligned with evolving industry expectations

Frontend Developer | Spire Digital | Nov 2018 to Feb 2019

- **Modernized frontend codebases** using reusable templates and **custom plugins** to improve performance, scalability, and UX
- Partnered with QA and backend teams to **deliver, test, and launch** new features, fix bugs and optimize application performance

Full-Stack Developer | Look Listen Creative | Oct 2017 to Feb 2018

- Revamped a **large-scale enterprise frontend codebase** to enhance reliability, **reducing user-reported bugs by 35%**
- Served as the **technical point of contact** across engineering, project management, and stakeholders - proactively identifying risks, communicating progress, and proposing actionable solutions to keep delivery on schedule

Software Engineering Mentor | Thinkful | Jul 2017 to Oct 2017

- Mentored aspiring developers in **personalized 1:1 pair programming sessions**, delivering real-time coding guidance, hands-on code reviews, and actionable feedback tailored to each developer's goals and technical challenges
- Adapted teaching strategies to individual learning styles and skill levels, setting clear goals and **fostering growth** in both technical proficiency and problem-solving ability

Frontend Developer | Cloud Five Labs | Apr 2016 to Sep 2016

- Optimized JavaScript codebase and added frontend features to deliver a more stable, **consistent UX across browsers**
- Worked closely with **off-site engineer team** to scope features, reduce technical debt, and align priorities with business goals

EDUCATION

The Iron Yard | Atlanta, GA, USA | 2014

- Full-time immersive frontend development program
- Sole frontend developer in a multi-platform hackathon project placing in the top 3 amongst all teams

Kennesaw State University | Kennesaw, GA, USA | 2010

- M.S. Applied Exercise and Health Science (GPA: 4.0 - Honors)

Clayton State University | Morrow, GA, USA | 2008

- B.S. Health and Fitness Management (GPA: 3.69 - Cum Laude)

Cirencester College | Cirencester, England | 2004

- A-Level in Information Technology
- AVCE in Information and Communication Technology

SKILLS

AI: Cursor, ChatGPT, Claude Code, LindyAI, MCP. **Core:** HTML, CSS (CSS-in-JS, Tailwind CSS, SASS), JavaScript, TypeScript, PWA. **FE Frameworks and Libraries:** React, Vue.js, Angular, Next.js, Nuxt.js, Ember, jQuery, JSX, Handlebars, Pug, JSP, Axios, Apollo Client, Tanstack Query, Redux, Zod. **BE Frameworks and Libraries:** Node.js, Express, Fastify, Java, Spring, PHP, CodeIgniter, WordPress. **Mobile Development:** React Native, Expo, Capacitor, Cordova. **APIs & Communication:** GraphQL, REST, Real-Time, Synchronous, Asynchronous, Kafka, Spring Boot, Postman, OpenAPI, Swagger, Twilio. **Testing & QA:** Jest, Vitest, Mocha, Chai, Sinon, Storybook, Chromatic, Cypress, Playwright, Browserstack. **Databases & ORMs:** PostgreSQL, MySQL, MongoDB, DynamoDB, Redis, Oracle, Datomic, Prisma, Sequelize, Mongoose. **Cloud & DevOps:** AWS (Cognito, S3, Route 53, CloudFormation, Lambda, SQS, SNS, RDS), GCP (OAuth, Firebase), Docker, Apache, NGINX, Convex, Appflow, Netlify, Digital Ocean, Vercel. **CI/CD & Version Control:** Git, GitHub (Actions), GitLab (CI/CD), CircleCI, Jenkins. **Monitoring & Analytics:** Sentry, Fullstory, Datadog, New Relic, LogRocket. **Build Tools & Bundlers:** Vite, Webpack, Parcel, esbuild, Make, Grunt, Gulp, Yeoman. **Package & Version Management:** npm, pnpm, Yarn, Maven, Composer, asdf, nvm.