

Kyle Friel – Senior Software Engineer

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Results-driven Senior Software Engineer with extensive experience in front-end and full-stack development, specializing in React, TypeScript, and modern web technologies. Adept at building scalable architectures, reusable UI components, and intuitive user experiences. Proven ability to lead product development, mentor engineers, and collaborate cross-functionally. Strong background in healthcare and logistics platforms. Passionate about working with skilled teams and delivering high-quality, maintainable code while balancing business goals and user needs.

Skills

- React, TypeScript, JavaScript, NextJs, Express Node.js, Python, Flask, CSS, HTML
- MongoDB, SQL, ORMs (Mongoose, Prisma), Git, GitHub, AWS (EC2, S3, CodePipeline, Lambda), Docker
- Fullstack, scrum, ambiguity, cross-team collaborator, communication, agile, autonomous

Work Experience

Full-stack Software Engineer Uplift **02/14/2022 – Present**

- Revamped onboarding flow using XState state machines, enabling preference-based client triage that boosted psychiatric bookings by 35% and reduced drop-off rates by 22% within 6 months
- Architected Zoom SDK integration (5K+ weekly video calls) for therapist-client interactions, ensuring HIPAA compliance and WebSocket optimization, in close collaboration with backend engineers to ensure security
- Led AWS Address Autocomplete API integration across frontend and backend (Python, Flask), cutting address input errors by 60% and improving form completion speed by 40%
- Developed and maintained 50+ reusable React components (TypeScript, Storybook) aligned with design system guidelines, standardizing UI patterns across 10+ features and streamlining cross-team collaboration
- Conducted technical interviews and mentored new hires on codebase best-practices by pair programming and code reviews, enabling them to lead high-impact projects like university-sponsored client care integrations

Tech Lead Astro Vinyl Art **08/14/2019 – Present**

- Architected and deployed a user facing full-stack logistics platform (React, TypeScript, Node.js, AWS), serving multiple warehouses and teams at 300+ events with 99.9% uptime, driving 1.7M+ in revenue
- Hired and upskilled a junior engineer to mid-level proficiency through structured code reviews (GitHub), pair programming, and delegated ownership of critical features (e.g. role based authorization, scheduling calendars)
- Developed predictive analytics dashboards (Chart.js, MongoDB Aggregation) to optimize production planning and built mobile-first POS systems (responsive design), leveraging user feedback from cross-functional teams
- Spearheaded third-party integrations like Google Maps API (address autocomplete, distance/matrix calculations), Shopify API (online sales and inventory sync), and Nodemailer (automated event notifications)
- Orchestrated CI/CD pipelines using AWS CodePipeline to automate staging and production deployments, and later migrated to GitHub Actions - improved deployment time by 80%

Projects

List Vend Go | Turbo, NextJs, OAuth, tRPC, Prisma, PostgreSQL, Tailwind

A centralized platform for event logistics, connecting vendors, event managers, and attendees

- Architected a full-stack solution with end-to-end TypeScript (NextJs, tRPC) and type-safe APIs
- Built custom tables with advanced filtering, integrated interactive maps, and scheduling features
- Leveraged Turbo for monorepo tooling, Prisma/PostgreSQL for scalable modeling, and GitHub+Vercel for CI/DC

Education

- CS50 (Harvard Online): Computer Science, Algorithms, Data Structures, C/Python
- Udemy/Coursera: Modern Web Development (Node.js, React, MongoDB), Git, GitHub
- freeCodeCamp/Frontend Mentor: Responsive Design, UI Components