



DAVID MIELOCH

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Senior Full Stack Developer and Engineering Team Lead specializing in React.js, and React Native, with a proven track record in architecting complex web and mobile applications while managing cross-functional development teams. Experienced in spearheading technology adoption strategies, including TypeScript, automated code quality, testing and AI development tooling. Proficient in both frontend and backend development, with expertise in Node.js, Express, and various databases. Skilled in implementing best practices such as Atomic Design, CI/CD pipelines, and monorepo architectures, while mentoring junior developers and fostering a culture of technical excellence. Adept at delivering high-impact commercial projects that drive organizational success.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, HTML, CSS3

Frontend: React.js, Next.js, Angular.js

Mobile Dev: React Native, Expo, Android, iOS

UI Libraries: Ant Design, Material UI, Mantine

Styling: Styled Components, Tailwind, Design Systems, Theming

Backend: Node.js, Express, Firebase

State Management: Redux Toolkit, React Context, React Hooks

API: GraphQL, RESTful APIs

Design Principles: Atomic Design, Clean Code

Databases: MongoDB Atlas, PostgreSQL, Redis

Build Tools: Webpack, Vite, Parcel, Babel

Code Quality: ESLint, Prettier, Husky

Testing: Jest, Playwright, Puppeteer, Storybook

Mobile Testing: Detox

CI/CD: GitHub Actions, Docker, AWS, Vercel, Supabase

Extension Dev: Chrome Extensions, VS Code Extensions

Monorepos: NX, Turbo Repo, PNPM + Yarn Workspaces

AI Integration: OpenAI API, Claude API, Vector Databases

TECHNICAL PROJECTS

- **Scala Cloud Platform:** Design digital signs using our Photoshop-like browser based design tool. Manage and administer sign hardware, users and signage content organization wide on our platform. **(React, TS, Node)**
- **StoryTime: AI Audiobook Creator:** Multi-character stories brought to life with ai voices and voice clones **(Next.js)**
- **AI Context Generator:** Extracts a file tree and files into your clipboard to feed AI context **(TS, VSCode Extension)**
- **We Learn Music Together: Mobile Game + SaaS Platform:** Teaches toddlers Music Theory **(React Native, Next.js)**
- **Code Companion: AI Unit Test Writer:** Generates full coverage unit tests and runs them in the browser **(React)**
- **Coparenting Copilot: AI for High Conflict Coparenting:** Neutral Message Writing Tool **(Next.js, Chrome Extension)**
- **Evidence Hero: Legal AI for Family Law:** Evidence and Parenting Time Tracking **(React, TS, Node, Vector Search)**
- **Cheddar: Balance Forecasting for Personal Finance:** Plan your financial future **(React Native, TS, Node, Express)**
- **DrayNow: Uber for Trucking:** Mobile app for Truckers and Web Platform for shippers **(React, React Native, Node)**
- **OTG Order Ahead: Order food straight to your airport terminal gate:** Web App **(React, Firebase)**
- **Master A Million™:** Companion mobile app for toy: sold in GameStop stores worldwide **(React Native, Firebase)**

EXPERIENCE

Scala | Malvern, PA

March 2020 – Present

Senior Software Engineer, Frontend Lead

With three decades in digital signage, Scala is known globally as the leader in stable, secure network deployment at scale.

- **Lead a team of 5 developers** in adopting modern React patterns, TypeScript, and Atomic Design principles. Conduct regular code reviews and one-on-ones to boost efficiency, code quality, and team performance.
- **Spearhead the re-architecture** of Scala's flagship "Designer" graphic design product and the Scala Cloud Platform, aligning cross-functional teams with strategic business goals.
- **Document Requirements:** Author detailed JIRA tickets with comprehensive user stories, technical specifications, and acceptance criteria to guide development and ensure clear communication.
- **Manage the development of key features**, including a template builder tool, device monitoring module, Node.js microservices, 24 hour scheduled projects player, while mentoring developers and ensuring high code quality.
- **Guide the organization in scaling** the codebase to support sustainable growth and long-term maintainability.

DrayNow | Conshohocken, PA (Remote from Manhattan)

April 2019 – February 2020

Senior Frontend Engineer

DrayNow is the first real-time marketplace for seamlessly connecting intermodal freight and carriers.

- **Led critical rewrite** of React Native app, delivering a stable, feature-complete solution using TypeScript and TDD after external team missed deadlines. Managed both internal and external development teams, introducing structured workflows and improving communication.
- **Converted five major areas** of web platform to atomic design patterns, leading to a 30% reduction in bugs and a 25% increase in developer productivity.
- **Mentored five junior engineers**, reducing onboarding time by 40% and contributing to 30% faster completion of major project milestones.
- **Enhanced team collaboration** by introducing structured development workflows and improving communication between remote teams.

OTG | Manhattan, NY

June 2018 – June 2019

Senior Frontend Engineer

OTG operates the world's largest fleet of centrally managed, public facing iPads (10K+ iPads), located in airports around the US

- **Order Ahead Application:** Developed full-stack 'Order Ahead' web app, enabling passengers to order food from airport restaurants for gate-side pickup. Integrated dynamic menu data across national locations, driving a 20% increase in order throughput and customer transactions.
- **Cart Screen Redesign:** Reimplemented critical cart screen in JavaScript for the OTG iOS app Concierge, enabling over-the-air updates to thousands of iPads nationwide. This innovation facilitated 30% faster feature rollouts, enhanced customizability, and eliminated the need for time-consuming manual updates across terminals.
- **In-App Advertisement System:** Developed template-driven ad system for OTG iOS app, boosting campaign update speed by 50% and user engagement by 15%.
- **Cross-Functional Collaboration:** Coordinated with various teams to implement best practices in code development and project management, fostering improved collaboration and efficiency across the organization.

GRAMERCY TECH | Manhattan, NY

July 2017 – June 2018

Fullstack Software Engineer

GT specializes in innovative event technology solutions, including event management apps and immersive AR/VR experiences.

- **Master A Million™ Platform:** Solely developed award-winning React Native app (iOS/Android) and web app. The app and toy won "Best of NYC Toy Fair" (Parents' Magazine) and "Activity Toy of the Year" (Swedish Toy Awards).
- **Event Technology Solutions:** Developed interactive applications and backend systems for high-profile events (TD/Ameritrade, Novartis Pharma, Jack Daniels), enhancing attendee experiences.
- **Cross-Platform Development:** Created and published react-native-cross-platform-dimensions npm package (25 Stars / 5 Forks) to enhance development efficiency.

Kwikpoint Frontend Web Developer (Remote from NYC) | Site/e-commerce Dev & UX improvements

January 2011 – March 2016

UniqueSound Head of Growth (NYC) *Techstars 2015 | Platform Growth & Content Strategy

September 2015 – February 2016

Saturn Business Systems Digital Marketing Manager (NYC) | IBM Partner Marketing and Lead Gen

February 2013 – September 2015

Graphnet Marketing Manager & Frontend Developer (NYC) | Lead Gen Optimization

January 2012 – February 2013

Q-nomy Business Development (NYC) | Led Product Demos, Sales Presentations, and C-level outreach

January 2011 – Dec 2011

Edit.com Software Sales Consultant (NYC) | Performed Cold Calls and Sales Presentations

February 2010 – January 2010

EDUCATION: Flatiron School SWE Bootcamp, NYC (2017) | B.A. Music Theory: West Chester University, PA (2008)
