Ronen Mars

Senior Frontend Engineer | AI-Native

Builds the frontend layer of AI-native products - architecture, design systems and product UI - and maintains open-source developer tooling running across five client platforms.

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PROFILE

Senior Frontend Engineer with 9+ years owning frontend architecture, design systems and component platforms - from greenfield products to enterprise-scale modernization. React and TypeScript at the core, backed by production reach into Node.js, Go and PostgreSQL when a feature needs the whole stack, and a record of setting technical direction, hiring and mentoring engineers, and shipping to production.

WORK EXPERIENCE

Frontend Engineering Lead & Owner · AutoKitteh — Nov 2023 – Feb 2026

- Owned the company's entire frontend ecosystem - SaaS platform, production AI chatbot and VS Code extension - from architecture and technical direction through delivery, quality and developer experience.
- Architected the frontend from scratch in React, TypeScript, Vite, Zustand, Tailwind and Storybook with no existing playbook, establishing a [XX]-component design system, state management patterns, E2E strategy and CI/CD workflows.
- Stepped into the vacant UI/UX role for a year, taking product design from flows through to shipped interfaces.
- Recruited, onboarded and mentored a frontend engineer while staying hands-on across the codebase.
- Built the product's AI surface on Go backend services - LLM orchestration, RAG context retrieval and structured outputs wired into the UI.

Senior Full-Stack Engineer · Obligo — Jul 2022 – Aug 2023

- Drove product features end to end across micro-applications in Vue 2/3, TypeScript, Vuex and Storybook, planning design and architecture together with UI/UX and Product.
- Redesigned and shipped the customer onboarding experience, one of the platform's most important user journeys, lifting completion by [XX]% with Cypress E2E coverage behind it.
- Backed those interfaces with the services they needed - Node.js, GraphQL resolvers, PostgreSQL, Redis, RabbitMQ and AWS.

Senior Software Engineer · BigPanda — Sep 2019 – Jul 2022

- Drove major parts of the AngularJS-to-React modernization of a large-scale enterprise platform, migrating [XX] screens over [XX] months.
- Scaled the shared component library with Storybook to [XX] components adopted by [XX] teams, and raised E2E coverage with Cypress to [XX]%.
- Shipped WebSocket-powered real-time UI channels, backed by Node.js microservices on Kafka, MongoDB and AWS.

Founding Full-Stack Engineer · CDI-Negev — Dec 2016 – Aug 2019

- Took the iDream Healthy Aging app from concept to App Store and Google Play launch - chose the React Native, Redux and Sagas stack, defined the architecture and coordinated across content, design and QA.
- Built the supporting Node.js backend on MongoDB Atlas, MySQL and Firebase.
- Carried product management and full-stack development single-handedly until the team grew - screened and recruited the company's first Product Manager, then a Backend Engineer as the product matured.

OPEN-SOURCE, TALKS & COMMUNITY

Threadbase - 2026 – present · Streams and remote-controls live Claude Code and Codex sessions across React Native, Electron, VS Code and IntelliJ clients on an encrypted Node.js server.

Community - Speaker at React IL and frontend engineering meetups on React architecture, AI integration and web performance. A Story of a Reference React IL Meetup Talk Published frontend architecture and JS performance deep-dives on Medium (BigPanda Engineering) JS Performance.

TECHNICAL EXPERTISE

Languages & Frameworks TypeScript • JavaScript • React • Next.js • React Native • Vue.js • Vite • AngularJS

Frontend Architecture Design Systems • Design Tokens • Component Libraries • Storybook • Tailwind CSS • State Management (Zustand, Redux) • Monorepo • Web Performance • Accessibility • i18n • Real-time UI • IDE Extensions (VS Code, IntelliJ)

AI-Native Development Claude Code • Cursor • OpenAI Codex • MCP • Agentic Workflows • AI Agents • LLMs • RAG • Prompt Engineering

Testing & Quality Playwright • Cypress • Jest • React Testing Library • E2E Testing • CI/CD

Backend Node.js • Next.js • Go • Python • SQL • GraphQL • PostgreSQL • MongoDB • Redis • WebSockets • Kafka • NestJS

Infrastructure & DevOps AWS • Docker • Kubernetes • GitHub Actions • Linux • App Store • Google Play • npm

EDUCATION

B.Sc. Software Engineering - Sami Shamoon College of Engineering — 2012 – 2016