

Franky Khoury Nicoletta

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SKILLS

Frontend: TypeScript, JavaScript, React, TanStack, Storybook, Tailwind, Next.js, React Native

Backend: Node.js, Express, PostgreSQL, Drizzle, MongoDB, Mongoose

AI/ML: Vercel AI SDK, Anthropic Claude API, Google Gemini, Genkit

Cloud & Integrations: Vercel, Neon, Firebase, Upstash Redis, Twilio RCS

Testing: Playwright, Chromatic, Jest, Vitest, React Testing Library

Product Management: Jira, Linear, Confluence, Figma

EXPERIENCE

CTO & Founding Engineer, Countant – Remote

July 2025 – Present

- Architected and built a full-stack RCS AI financial assistant from zero, owning all technical decisions as the sole engineer on a two-person founding team
- Designed a serverless-first backend with Express.js, Neon PostgreSQL, and Upstash Redis, eliminating connection pooling overhead and enabling horizontal scaling
- Engineered a multi-model AI pipeline using Vercel AI SDK, combining Google Gemini for intent classification and Anthropic Claude for conversational quality with structured Zod schema outputs
- Built an asynchronous RCS message processing system with Redis-backed buffering, execution locking, and debouncing to handle concurrent multi-part messages reliably
- Implemented AI-powered receipt analysis extracting vendor, amount, date, currency, and IRS Schedule C categories from images via Gemini vision models
- Developed a Next.js dashboard with receipt management, expense report generation, mileage tracking, and multi-currency support
- Established testing infrastructure with Vitest, domain-driven module architecture, and CI-ready code organization patterns

Product Engineer (Contract), TextTeddy – Remote

January 2025 – July 2025

- Developed an SEO-optimized landing page with dynamic product search, collaborating with the CEO and design team to increase organic traffic and user engagement across a 700+ user base
- Refactored frontend architecture for accessibility compliance, implementing dynamic font size scaling and adaptive layouts aligned with WCAG standards
- Diagnosed and resolved frontend bugs across React Native and Firebase, improving app stability and user experience
- Built a reusable React Native component library using standardized UI patterns, reducing feature development time by 25%

Associate Software Engineer, GatherUp – Remote

December 2021 – January 2025

- Developed a modular UI library of 50+ reusable components using atomic design principles, standardizing front-end architecture and accelerating feature delivery across teams
- Integrated visual regression testing via Chromatic and Storybook, reducing production bugs by 30% and streamlining design review cycles
- Built automated Playwright end-to-end tests to replicate user flows, validate app performance, and reduce manual QA time
- Coordinated feature delivery across distributed teams spanning multiple time zones, aligning engineering output with PM and design requirements
- Assumed product ownership duties during senior developer training, managing sprint boards, documentation, and cross-functional planning with design and product teams using Jira, Confluence, and Figma
- Organized WICSE mentorship events pairing engineers with women in computer science to support technical career development

Founding Engineer, EyeRate – Elk Grove, CA

April 2020 – November 2021

- Spearheaded a product redesign informed by user analytics and feedback, growing active users from 50 to over 800 and scaling monthly contacts processed from 200 to 4,500+
- Contributed to backend migration from monolith to microservices, refactoring key APIs and improving service communication to cut latency by ~60%
- Developed a responsive Next.js landing page, improving page load speed by 45% and raising Lighthouse SEO score from 62 to 94
- Implemented structured code review and benchmarking processes, reducing production bugs from ~15 per sprint to under 5
- Co-led hiring and onboarding of 4 engineers, conducting technical interviews and improving team throughput and cross-functional collaboration
- Played a key role in scaling the company from pre-seed stage to a \$15 million valuation through scalable product development and rapid iteration