

Kabir Sarin

Staff Software Engineer

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Summary

Staff Software Engineer, 13+ years across TypeScript, React, Node.js, and GraphQL. Currently Founding Engineer at mixim.ai, owning the full stack from the Capacitor/React app through C++ firmware and PCB design, plus a production Anthropic Claude / RAG feature on top. Prior Staff roles at Nomad Health and A Place For Mom: Architecture Committee member and team lead, drove monolith-to-microservices and REST-to-federated-GraphQL migrations across 25+ engineers, shipped to millions of weekly users.

Skills

Languages: TypeScript (8 years), JavaScript (13 years), Python (5 years), Ruby (5 years), C++ (2 years)

Frontend: React (10 years), Next, Redux, Webpack, Babel, CSS-in-JS / JSS

Backend: Node (10 years), GraphQL (8 years), GraphQL Federation, REST, Microservices, Ruby on Rails (5 years)

AI & LLM Integration: Anthropic Claude, RAG (Retrieval-Augmented Generation), Function Calling, Claude Code

Infrastructure & DevOps: AWS (5 years), GCP, Docker (8 years), Kubernetes, CI/CD, Sentry, OpenTelemetry, Azure

Testing: Jest, Vitest, Cypress, Playwright

Databases: PostgreSQL, Supabase, MongoDB

Hardware & Embedded: Microcontroller Programming, Circuit Design, Electrical Engineering, Mechanical Design

Leadership: Technical Leadership, System Design, Architecture Review, Mentorship

Experience

mixim.ai

Staff Software Engineer (Founding Engineer)

Apr 2023 – Present

TypeScript, React, Capacitor, Bluetooth, C++, AWS

- Designed the offline-first architecture: real-time coordination across multiple Bluetooth-connected dispensers on a memory-constrained embedded system; Capacitor app service worker for local order queue and reconciliation to AWS on reconnect.
- Stood up CI/CD from scratch with GitHub Actions: Capacitor app builds, firmware compile/flash automation, regression suite gating production releases.
- Shipping a \$20K commercial cocktail dispenser: 18 ingredients, 4-second pours, 80% less waste.
- Built the AI Mixologist: Anthropic Claude with function-calling + RAG over Supabase, generating cocktail recipes from natural language.
- Led 3 cross-discipline engineers (electrical, mechanical, firmware); built web/app/cloud infrastructure solo; primary customer-facing engineer for early B2B pilots.

Nomad Health

Staff Software Engineer

Jan 2022 – Mar 2023

TypeScript, React, Node.js, GraphQL, Python, GCP, Docker, Kubernetes

- Architecture Committee member and team lead; set system design direction for the healthcare SaaS form-ingestion stack and mentored engineers across product teams.
- Spearheaded three platform migrations scaling architecture across 25+ engineers in 12 months: monolith to ~15 microservices, MongoDB to PostgreSQL (50M+ records), REST to federated GraphQL.
- Won company-wide engineering hackathon with a React-JSONForms PoC: upload PDF, output working form code. Powered by a custom JSONForms plugin (PR submitted upstream).

A Place For Mom

Staff Software Engineer

Apr 2019 – Dec 2021

TypeScript, React, Node.js, GraphQL, Docker, AWS

- Authored a Babel plugin + Webpack loader that precompiled JSS to static CSS at build time, eliminating runtime CSS-in-JS overhead, cutting bundle size, improving first paint.
- Cut LCP 40% on aplaceformom.com via SSR, resolving React rendering/hydration issues blocking SEO.
- Migrated all legacy REST APIs to a federated GraphQL graph backed by Node.js microservices.
- Modernized CI/CD by migrating the build pipeline from Bamboo to GitHub Actions.

Apollo Hospitals

Senior Software Engineer (Contract)

Dec 2017 – Feb 2019

TypeScript, React, Node.js, GraphQL, Docker, Azure

- Tech-led a 14-person MedTech team delivering iOS, Android, web apps for apollo247.com, India's largest hospital chain, serving 3M+ weekly users.
- Cut P95 latency ~60%: architected a federated GraphQL layer consolidating 40+ legacy REST endpoints across the three clients.
- Shipped telehealth, pharmacy ordering, scheduling; offline-first sync for rural deployments.
- Led platform-wide architecture review; mentored 5 senior engineers.

Verizon

Senior Software Engineer (Contract)

Oct 2015 – Nov 2017

JavaScript, React, Node.js, Docker

- Built the React/Node frontend for tv.verizon.com: live TV, VOD, account management, program guide across web and connected-TV.
- Built a browser fingerprinting algorithm to identify anonymous visitors and personalize the experience without requiring login (lifting engagement ~20%).
- Established unit + integration test coverage across the React/Node codebase; added server-side rendering for SEO on marketing surfaces.

World Singles Networks

Senior Software Engineer (Contract)

Sep 2014 – Sep 2015

JavaScript, React, Node.js, Docker

- Rearchitected worldsingles.com: consolidated 20+ standalone applications across 8 languages into a unified React/Node codebase.
- Built the i18n/l10n routing layer covering 8 locales, extracted a shared React component library across the 20+ apps, and consolidated the build pipeline under Webpack.

Imagine Group

Senior Software Engineer

May 2013 – Aug 2014

JavaScript, Backbone, jQuery, Ruby on Rails

- Invented a React-reconciler-style declarative SVG framework, predating React's release.
- Powered pixel-perfect, interactive, SVG-based digital food menus for Dairy Queen, Auntie Anne's, and Famous Dave's.

Education

University of Wisconsin-Eau Claire

Bachelor of Science in Computer Science