

SHRINATH PRABHU

Senior Staff Frontend Engineer | Vue • React • TypeScript • Node.js

Mumbai, India · Remote (8+ years in software engineering)

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PROFESSIONAL SUMMARY

Strategic frontend leader with 8+ years of experience architecting and scaling Web3 and SaaS infrastructure through a company acquisition. 4 Chrome Extensions shipped to Chrome Web Store with 100% approval rate. Built a cross-chain transfer app that scaled to 65K+ accounts and 20K+ peak DAU. Led frontend engineering at Arcana Network for 4.5 years from seed stage through acquisition by Avail Project. Deep expertise in Vue, React, TypeScript, Node.js, and Chrome Extension architecture.

EXPERIENCE

AVAIL (<https://availproject.org>) August 2025 – Present | Remote (Dubai)

Senior Staff Engineer

- Own frontend architecture and technical strategy across Avail's product ecosystem, establishing component libraries, CI/CD standards, and architectural patterns across 3+ core product surfaces.
- Conceived, architected, and secured executive buy-in for **Nexus One**, a unified component system consolidating multiple product interfaces into a single configurable element.
- Architected and shipped **Nexus Fastbridge**, a cross-rollup bridge UI with a custom Vite-based SEO solution generating per-chain HTML pages at build time, **achieving full SEO without Next.js**.
- Leading frontend migration to **Nexus v2**, a backend-driven architecture leveraging EIP-7702 to reduce signature requirements via ephemeral wallets.

ARCANA NETWORK (linkedin.com/company/arcana-network) Jan 2021 – Aug 2025 | Remote (Dubai)
(Acquired by Avail Project, 2025)

Lead Frontend Engineer

- Owned the entire frontend engineering function across 4.5 years, from sole frontend engineer to lead. Managed hiring, onboarding, and team continuity through bear market contractions. The frontend team transitioned fully intact into Avail with zero disruption.
- Built Arcana's **Chrome Extension Wallet** from scratch, non-custodial sidebar wallet supporting 10+ blockchains, transaction signing, dApp injection (Aave, Uniswap, Lido, Hyperliquid), and unified cross-chain balance management. **750+ users, 4.7 star rating** during a bear market. Provider injection built by studying MetaMask's architecture. Later extracted into a TypeScript SDK for B2B.
- Built **SendIt**, gamified cross-chain transfer app replacing wallet addresses with email/X/ENS. **Scaled to 65K+ accounts and 20K+ peak DAU**. Traffic exhausted Netlify Pro limits despite caching, migrated frontend to self-managed AWS. Included leaderboards, anti-farming safeguards, and NFT rewards.
- Architected **Developer Dashboard** from scratch, primary interface for Web3 developers to register dApps, configure auth providers, manage storage, and customize the embedded wallet. Vue 3, TypeScript, Chart.js.
- Shipped **Skizzle** in the first month, Chrome + Firefox extension for E2E encrypted email attachments using InboxSDK and gmail.js, RSA keys via Web3Auth, and decentralized storage. **~1,000 users, 4.2 star rating**.

HASHBINARY SERVICES (hashbinary.com) April 2018 – January 2021 | Mumbai (Hybrid)

Full Stack Developer

- Architected Pricinger, privacy-focused Chrome Extension with multi-region VPN proxies (AWS: Albania, Slovenia, India, Greece), geolocation blocking, user agent spoofing, and an automated crawler that identified optimal privacy settings per-site. ~1,000 users, 4 star rating.
- Built APIs and dashboards for Jagran (India's largest media conglomerate) for demographic & psychographic analytics, QBuild (construction floor plan annotation), and 8SQM (NZ car wash booking with GeoJSON).
- Built Agrostar's farmer learning platform MVP in a week, mobile-first app supporting 5 Indian languages with auto-switching video, audio and subtitles. React, Nest.js, TypeScript, Firestore. VP offered a retainer role.

INDEPENDENT PROJECTS & OPEN SOURCE

- Outline Analytics (Founder): Privacy-first, cookie-free web analytics. TypeScript SDK (<4KB, zero deps), Bun + Elysia.js, MongoDB timeseries. Open source. github.com/useoutline
- Credenstore: Zero-knowledge encrypted storage, client-side Triplesec encryption, Firestore, link+password sharing, time-bound expiry. No login required. credenstore.web.app, github.com/shrinathprabhu/credenstore

SKILLS

- **Architecture & Strategy:** Vue 3, Nuxt 3, React, TypeScript, Chrome Extension Architecture (Manifest V3, content scripts, service workers, script injection), Design Systems, Technical Roadmapping, Team Leadership
- **AI-Augmented Development:** Claude Code, Google Codex, Cursor, AI-assisted code review, prompt engineering for development workflows
- **Backend & Data:** Node.js, Bun, Express, Fastify, Nest.js, Elysia.js, MongoDB, PostgreSQL, Firebase/Firestore, REST API Design
- **Infrastructure:** AWS (EC2, S3, CloudFront, Route53), Vercel, Netlify, GitHub Actions, CI/CD Pipelines
- **Domain:** Web3 (non-custodial wallet architecture, cross-chain bridging, chain abstraction, dApp injection, EIP-7702), Client-Side Encryption (Triplesec, RSA, zero-knowledge patterns), Privacy-First Analytics

NOTABLE ACHIEVEMENTS

- Led frontend engineering through a successful company acquisition (Arcana Network → Avail Project, 2025), ensuring complete technical continuity and IP transition.
- Shipped 4 Chrome Extensions to Chrome Web Store with 100% approval rate, a non-custodial wallet (4.7 stars), an end-to-end encrypted email tool (4.2 stars), a privacy-focused pricing optimizer (4 stars, 1,000+ users), and a DeFi SDK injector.
- Built SendIt to 65K+ accounts and 20K+ peak DAU, traffic exceeded Netlify Pro plan limits, requiring full infrastructure migration to self-managed AWS.
- Authored "Vue 3 Composition API: Basics and Patterns", ranks on the first page of Google for Vue 3 composition API searches.
- Open-source CSS architecture demo, 5,000+ views on CodePen.