MATHAN K A | Senior Front-End Engineer

TypeScript • React • Next.js • Vue.js • Nuxt.js • Node.js • PostgreSQL

Building privacy-first consent & DSAR platform for GDPR/DPDP

Bengaluru, India • hello@mathan.pro • +91 97901 96979

https://mathan.pro • linkedin.com/in/mathanka • github.com/mathanka

PROFESSIONAL SUMMARY

- Senior Full-Stack Engineer with 9+ years building B2B SaaS and cybersecurity products using React/Next.js, Vue/Nuxt, Angular and Node.js/PostgreSQL.
- Strong in multi-tenant architectures, performance optimization (Core Web Vitals, Lighthouse), web accessibility (WCAG 2.1 AA) and GDPR/DPDP-aware data design.
- Led frontend for threat intelligence and orchestration platforms at Cyware and now founder/product engineer of Quansentz, a privacy-first consent & DSAR for Next.js teams.

TECHNICAL SKILLS

- Languages & Web: TypeScript, JavaScript (ES6+), SQL, HTML5, CSS3.
- Frontend: React 18, Next.js (App Router), Vue.js 2 & 3, Nuxt.js, Tailwind CSS, Bootstrap, Zod.
- Backend: Node.js, Next.js Route Handlers / server actions, RESTful APIs, Webhooks, Prisma.
- Databases & Storage: PostgreSQL, MongoDB, Redis, S3 object storage.
- Auth & Security: Auth.js, JWT, session-based auth, role-based access control (RBAC), OWASP-aligned secure coding, GDPR/DPDP-aware data design.
- DevOps & Monitoring: Docker, Vercel, GitHub Actions CI/CD, Pino, Sentry, Axiom(logs/traces)
- Dev Tools: Git, Vite, Webpack, npm, pnpm, ESLint, Prettier.
- Performance & Optimization: Build optimization using Vite/Webpack, code splitting, lazy loading, tree-shaking, Core Web Vitals, Lighthouse (LCP, CLS, TTI), Initial page load speed.
- SEO & Accessibility: On-page SEO, schema basics, Web accessibility (WCAG 2.1 AA), ARIA, semantic HTML, keyboard navigation, screen-reader support.

PROFESSIONAL EXPERIENCE

Senior Full-Stack Engineer & Founder • Sep 2025 to Present • Remote
Quansentz | https://quansentz.com – (Pilot-stage, yet to be incorporated)
A privacy-first consent & DSAR platform for multi-tenant Next.js teams, focusing on tamper-evident audit logging and DPDP/GDPR-aligned data flows.

- Architected a multi-tenant backend using Next.js (App Router), Node.js, PostgreSQL and Prisma ORM with domain-based tenant resolution, strict data isolation and RBAC-backed consent, preference-center and DSAR intake flows.
- Designed and implemented tamper-evident audit logging (hash-chained events) and a DSAR export pipeline using Redis-backed workers and S3 streaming for large, encrypted user data exports.

- Set up a Dockerized local dev stack and Vercel-based CI/CD (Prisma migrations, environment configs) and authored core specs (Problem/Solution, PRD, Architecture, MVP, QA) to support a v1.0-ready pilot launch.

Senior Software Engineer II • Nov 2017 to Mar 2024 • Bengaluru, India.
Cyware – cybersecurity company for threat intel, security automation & incident response.

- Led frontend development for a new Threat Intelligence Platform, first in Angular 2+ and later revamped in Vue.js 2, collaborating directly with the CTO to deliver feature-rich client demos under tight deadlines; successfully shipped the initial release for CERT-In (India's national CERT) and received recognition along with 20% salary increase for the year.

- Owned the front-end revamp of cyware.com using Nuxt.js and Bootstrap, improving UI responsiveness, asset compression, critical rendering path and layout stability, and raising Lighthouse performance scores from ~60 to ~90 on key pages (homepage, blogs).

- Contributed to accessibility compliance on the Situational Awareness Platform by working with QA and an external VPAT team to address UX & WCAG 2.1 AA - related issues across the product, mentoring junior developers across teams and helping the product achieve VPAT-based accessibility certification within ~2 month of joining the team.

- Refactored legacy frontend code on Orchestrate with Vue 3 & Vite, implemented dynamic imports, route-level code splitting, vendor chunk extraction reducing the initial JS bundle size from ~10 MB to ~4 MB based on Vite bundle analyzer.

Software Lead, Web Development • Feb 2017 to Sep 2017 • Bengaluru, India.
SellerApp (formerly SellerPrime) – eCommerce Intelligence Platform for Amazon Sellers

- Sole developer responsible for building and maintaining the early-stage SellerApp web product and marketing site using AngularJS, Jade and CoffeeScript, implementing core dashboards and campaign visibility features for Amazon marketplace sellers.
- Collaborated closely with founders and product stakeholders to translate requirements into production-ready UI, shipping critical updates on short notice while maintaining a seamless user experience and supporting early platform growth.

ADDITIONAL EXPERIENCE

Senior Software Tutor (Full-Stack, MERN) • May 2024 to Jan 2025 • Remote
Softzane solutions – web & mobile app development, SEO & digital solutions

- Delivered instructor-led training in full-stack development using the MERN stack (MongoDB, Express.js, React, Node.js), and mentored students on programming fundamentals, problem solving, clean code and web development best practices through code reviews and assignment guidance.

EDUCATION & CERTIFICATION

- B.E. in Computer Science and Engineering, SVS College of Engineering – 2010 to 2014
- Front-end web developer nanodegree, Udacity – 2016