MATHEW R

SOFTWARE DEVELOPMENT ENGINEER | FRONTEND ENGINEERING & ARCHITECTURE

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PROFESSIONAL SUMMARY

Frontend-focused Software Development Engineer experienced in building modular web applications, microfrontend architectures, shared design systems and cross-platform mobile experiences. Contributes to business-facing rewards and loyalty products, visual builders and complex data-driven interfaces using React, TypeScript, Module Federation, Redux and Capacitor. Also builds backend-focused products with Node.js, NestJS, PostgreSQL and MongoDB, and develops agentic workflows and tooling for AI coding environments.

TECHNICAL SKILLS

Frontend: JavaScript, TypeScript, React, Next.js, Module Federation, Redux Toolkit, Tailwind CSS, Puck
Design systems: Storybook, reusable component libraries, design tokens, theming, component variants
Mobile: Capacitor, React Native, Expo, Android/iOS build workflows, deep linking
Backend & data: Node.js, Express, NestJS, REST APIs, PostgreSQL, Prisma, MongoDB, Redis, Cloudflare R2
Engineering & tooling: Frontend architecture, microfrontends, API integration, performance optimisation, Git, pnpm, Docker, agent skills and workflows
Additional exposure: Go (basic familiarity); currently learning Rust.

PROFESSIONAL EXPERIENCE

Software Development Engineer | Vananam Ventures

Dec 2025 – Present · Bengaluru, Karnataka

- Contribute to frontend development and maintenance across ApplaudIQ, Rekyndl and RedeemStack, including Rekyndl Journey Builder and landing-page builder work, plus merchandise, flight-booking and bus-booking experiences in RedeemStack.
- Design and extend a Module Federation storefront architecture with a host application and approximately 7–8 remotes; work across remote screen exposure, host-managed route registration, remote routing, protected screens and shared authentication patterns.
- Develop reusable components and variants for a Storybook-backed design system, including shared themes and design tokens distributed to applications through a private npm package.
- Contribute to a Puck-based visual landing-page builder and build complex dashboards and data-heavy interfaces, integrating APIs and improving frontend structure and performance.
- Helped consolidate separate React web and React Native mobile implementations into a shared React + Capacitor application for web, Android and iOS, including deep-linking and native build integration; new features no longer require a separate React Native implementation.
- Create agentic development workflows, skills and frontend documentation that encode application architecture and team conventions for use with AI coding agents. Have basic exposure to Go backend code.

Frontend Developer | SIRPI Products & Services Pvt. Ltd.

May 2025 – Nov 2025 · Bengaluru, Karnataka

- Built responsive React interfaces using Tailwind CSS, reusable components, state management and API integrations.
- Contributed to an ERP inventory-management application, focusing on modular frontend structure, maintainable components and intuitive operational workflows.

EARLIER EXPERIENCE

Full Stack Web Developer Intern | Unified Mentor Pvt. Ltd.

Sep 2024 – Dec 2024 · Remote

- Developed web application features and REST API functionality, translating requirements into working frontend and backend solutions while gaining hands-on experience across the software development lifecycle.

SELECTED PROJECTS

Multi-Harness Agentic Workflow Toolkit | pstack-rewire
Built cross-harness ports and installation tooling for an agentic coding workflow, adapting it for Claude Code, OpenAI Codex, Google Antigravity, Cursor and a skills-based default format. Includes shell and PowerShell installers with global/workspace installation options. | GitHub: github.com/matthew110703/pstack-rewire

Commerce Platform Backend | Confidential client project
Designed and implemented backend capabilities for an e-commerce platform, spanning catalogue and variant modelling, cart and checkout flows, inventory, order lifecycle, payment integration and direct-to-object-storage media uploads. | Client and source repository intentionally omitted.

Order Fulfilment Companion App | Confidential client project
Built a mobile application for workshop and delivery teams to acknowledge orders, record fulfilment milestones, view order activity, send customer updates and confirm deliveries. | React Native, Expo, Expo Router, TanStack Query, Zustand, React Hook Form, Zod.

Braindance API | Media discovery and streaming backend
Built a modular API for movie and TV discovery, franchise collections, device-isolated watchlists and playback-progress telemetry. Integrates TMDB metadata, MongoDB TTL caching, API-key protection and rate limiting. | Node.js, TypeScript, Express, MongoDB/Mongoose, Zod, Pino, SWC. | GitHub: github.com/matthew110703/braindance

Garuda Powertech | Freelance website
Developed a responsive business website and product catalogue for a power-backup solutions provider, with six product categories, dynamic product pages, SEO metadata, sitemap/robots, LocalBusiness schema and WhatsApp contact flow. | Next.js, React, TypeScript, Tailwind CSS, Swiper. | Live: garuda-powertech.vercel.app

Artificial Intelligence Hub | AI productivity application
Developed an application bringing together an AI chatbot, email writer, text-to-speech and text-to-image workflows, integrating Google Gemini, ElevenLabs and Stable Diffusion. | React, Redux Toolkit, Node.js, Express, Socket.IO, MongoDB.

Clinic Management System | Healthcare workflow application
Built role-specific dashboards for doctors and receptionists, with role-based authorisation, token management and patient-history workflows. | MERN stack, Redux Toolkit, Tailwind CSS, Material UI, JWT.

EDUCATION

Bachelor of Computer Applications (BCA) | Cambridge College, KR Puram, Bengaluru
Oct 2021 – Aug 2024 · 8.22 CGPA

Pre-University (CEBA) | Charan's PU College, Domlur, Bengaluru · 2019 – 2021