

PRAVEENKUMAR K

Lead Full-Stack Engineer

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Lead Full-Stack Engineer with 10+ years building and shipping web products end-to-end, currently a Founding Software Engineer at Chronicle, where I helped take the product from 0-to-1 across its first three prototypes. I work across the full stack — TypeScript/React/XState/RxJS on the frontend and Node.js, GraphQL (Apollo), Express, Sequelize, PostgreSQL, and REST APIs on the backend — with strong system-design and architecture instincts: I designed and built Chronicle's widget architecture and built the free-form editing canvas, charts and brand-kit systems, and Yjs/CRDT real-time multiplayer collaboration. I'm a core contributor to Muse, Chronicle's agentic AI assistant, where I helped build a custom multi-step tool-calling loop, multi-model LLM support (Claude/GPT/Gemini), SSE streaming, and an evals harness. I operate as a forward-deployed engineer — helping drive product and technical decisions, mentoring engineers, establishing team norms and code standards, and leading technical-documentation efforts to reduce knowledge silos.

CORE SKILLS

Languages	TypeScript · JavaScript · Python · HTML5 / CSS
Frontend	React · Vue.js · Ember · XState (state machines) · RxJS · ProseMirror · AG Grid · Tailwind CSS · Component libraries & shared UI
Backend & APIs	Node.js · GraphQL (Apollo) · REST API development · Express · Sequelize (ORM) · PostgreSQL · SDK design and development
AI / LLM	LLM application development · Conversational & agentic AI assistants · Multi-step tool / function calling · Multi-model integration (Claude, GPT, Gemini) · Prompt engineering & system-prompt assembly · SSE streaming · LLM evals harness · AI-assisted development
Realtime & Collaboration	Real-time collaboration (Yjs / CRDT) · Liveblocks · Conflict-free concurrent editing
Architecture & Practices	System design & software architecture · RFC-driven development · Performance optimization · Technical writing & documentation · Mentoring, code review & standards · Cross-functional collaboration · Agile
Tooling, Build & CI/CD	Vite · Gulp build pipelines · Continuous deployment · Git · Remote / forward-deployed engineering

WORK EXPERIENCE

Chronicle — Founding Software Engineer	Jun 2022 – Present · Remote
• Founding engineer who took Chronicle, a collaborative AI-powered presentation product, from 0-to-1 — helping build the first three prototypes and owning core systems end-to-end across a TypeScript, React, Node.js, GraphQL (Apollo), Express, Sequelize, PostgreSQL, and REST API stack. • Helped build Muse, Chronicle's conversational AI assistant that generates and edits presentations from natural language — building the agentic LLM system across frontend and backend: SSE streaming of model output, a custom multi-step tool-calling / agent loop, multi-model support (Claude, GPT, Gemini), brand-aware system-prompt assembly, and an evals harness to measure and guard AI-flow quality. • Designed and built the widget architecture — the building-block system that manages all of Chronicle's presentation data (text, cards, images, charts, and more). • Implemented AI-generated custom widgets — self-contained HTML/JS widgets Muse builds from a prompt and inserts onto the canvas — and built the state-persistence bridge that lets each widget store its own data into the document's Yjs (CRDT) store. • Built the free-form canvas, the core editing surface where users compose and arrange presentations, using XState and RxJS for complex interaction-state management on a Vite-based React frontend. • Implemented real-time multiplayer collaboration with a CRDT solution (Yjs) on Liveblocks for conflict-free concurrent editing, and built the charts and brand-kit systems for rich data visualizations and consistent theming. • Operate as a forward-deployed engineer — owning features end-to-end, working autonomously, working directly with product to translate customer needs into shipped features, and helping drive product and technical decisions.	
Rocketlane — Senior Frontend Developer	Nov 2021 – Jun 2022
• Built features for a project-management platform, including time-tracking workflows for professional-services teams. • Implemented performant, data-dense tables with AG Grid for managing and editing large datasets at scale.	

HappyFox Technologies — Senior Front End Engineer

Jun 2019 – Oct 2021 · Chennai, India

- Owned and maintained the **Integration SDK** for the helpdesk application — used to build custom functionality and integrate with third-party applications — as a full-stack developer across JavaScript, Node.js, and Python.
- **Core-team member** of the integrations team, delivering multiple integrations as a full-stack developer spanning frontend (Ember, Vue, React) and backend.
- Scoped and estimated each integration, authored an **RFC**, split delivery into multiple incremental releases, gathered customer feedback, and drove it to completion within a continuous-deployment workflow.
- Served as **DRI for application performance**, improving initial load time by **50%**.
- **Mentored** new engineers to productivity in the codebase; advocated for and established **team norms and code standards**, and contributed through code review.
- Led **technical documentation** efforts to reduce knowledge silos and raise consistency across the integrations team.

Zoho Corporation — Software Developer, Zoho Inventory

Sep 2015 – May 2019 · Chennai, India

- **Core-team member** developing multiple inventory-management features for Zoho Inventory, collaborating cross-functionally with design, marketing, and customer-support teams.
- Built a **build-and-deploy system** using Gulp and Node.js that **reduced build times by 70%** across 6+ finance product websites.
- Shipped inventory features including **package geometry** and **barcode scanning**, with consistent attention to user experience and performance optimization.
- Owned **framework upgrades** and developed internal tools, shared UI components, and reusable libraries.

EDUCATION

B.E. Computer Science — Sri Krishna College of Technology

2012 – 2016