Pavan Kapoor

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WORK EXPERIENCE

Founding Engineer   May 2025 – present | Bengaluru
Bolna (YCombinator F25) ↗

- **Built workflow automation with React Flow**, giving non-technical teams a drag-and-drop way to design and manage AI call flows.
- **Developed TypeScript/React frontends** for dashboards, call summaries, and context-aware UIs that customers interact with daily.
- **Integrated voice AI providers (Sarvam, VoiceAIWrapper, etc.)** into Bolna, abstracting APIs and building a consistent developer experience.
- **Set up data pipelines and query optimizations in Postgres/Redis**, improving reporting performance and metric calculations.
- **Worked across backend and infra (Python, FastAPI, async tasks, Docker, Supabase)** to keep the platform reliable while shipping features fast.

Software Developer   Jan 2023 – May 2025 | Bengaluru
ExactSpace Technologies ↗

- Enhanced React applications by optimizing rendering processes, reducing UI load time by **50%** and improving responsiveness.
- Designed and implemented Redux & Context API for **15+ enterprise applications**, ensuring scalablity and maintainability.
- Reduced API calls by **70%** by integrating Server-Sent Events (SSE) and **caching** strategies, significantly improving data retrieval efficiency.
- Designed and maintained **RESTful** APIs, facilitating seamless data exchange across **15+ applications**.
- Automated **CI/CD** pipelines using **Jenkins**, cutting deployment time by **50%** and enhancing release efficiency.
- Optimized React builds, reducing deployment costs by **60%** through strategic bundling and lazy loading.
- Spearheaded **TypeScript adoption**, reducing production runtime errors by **35%**, leading to more stable applications.

ReactJS intern   Jul 2022 – Dec 2022 | Bengaluru
Divum Corporate Services Pvt Ltd

- Developed a high-performance E-commerce platform for a **Fortune 500 company**, enhancing user engagement and product discovery.
- Built a reusable UI component library, reducing development time by **40%** and ensuring a consistent design across multiple projects.

SKILLS

Languages: JavaScript, TypeScript, Python
Frontend: ReactJS, Next.js, Redux, Tailwind CSS, Material-UI, Jest
Backend: Flask, FastAPI
Databases: MongoDB, PostgreSQL
Cloud & DevOps: AWS (EC2, S3), Docker, CI/CD (GitHub Actions, Jenkins), SonarQube

PROJECTS

AdWise - AI Ads Reviewer ↗   Feb 2025 – present
AdWise analyses your ads and suggest you key metrics on improve on.
- Developed a **React.js web app** that analyzes ad creatives and provides performance insights.
- Built a **Node.js backend** to process ad images and generate key advertising metrics.
- Integrated **LLM models** to evaluate ad effectiveness and suggest improvements.
- Designed a **user-friendly dashboard** featuring AI-generated performance scores and targeted optimization strategies.

GigHub - Platform for Freelancers ↗   Sep 2024 – Oct 2024
Connects freelancers and clients, enabling them to collaborate on projects seamlessly
- Created a **ReactJS-based web platform** for freelancers and clients to post and manage projects.
- Implemented **Firebase authentication**, ensuring secure access and **100% uptime** for user logins and registrations.
- Utilized **MongoDB** for scalable database management and efficient data retrieval.
- Employed **Redux for state management**, enhancing responsiveness and performance.

EDUCATION

Information Science and Engineering   2019 – 2023 | Bengaluru
The Oxford College of Engineering
    8.79 cgpa