

Vinay Pandey

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SUMMARY

Full Stack Engineer with around **3+** years of experience building scalable, real-time, and cross-platform applications. Known for delivering performant, user-centric solutions across web, desktop, and multi-platform env.

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, TypeScript, ES6+, Python, HTML5, CSS, SQL, NoSQL

Frameworks/Libraries: React.js, Redux, Next.js, Electron.js, Node.js, Express.js, Tailwind CSS

Testing: Jest, Mocha, Chai, Cypress

Developer Tools: VS Code, Git, GitHub, GitLab, Bitbucket, JIRA

AI / ML: LLM Integration (OpenAI, Gemini, Claude), GenAI, Agentic Workflows, Google Antigravity, claude-code, cursor AI

Other Skills: System Design (Basics), WebSockets, Realtime Systems, Agile Methodology, Documentation

WORK EXPERIENCE

Full Stack Engineer

Colligence Research, Bangalore, INDIA

March 2025–Present

- Developed an **AI avatar system** using the **Gemini API** with multi-platform camera capture with cloud-storage integration.
- Delivered a **Flutter-based macOS application** with native integrations for CoreLocation and AVFoundation frameworks.
- Engineered a **low-latency (i100ms) presence system** with granular state management across 5 status types.
- Built a **cross-platform geolocation service** with GPS/WiFi/IP fallback, supporting 5 platforms with real-time updates 30 sec
- Built an end-to-end **Project Management System** for internal use to manage tasks, issues, and bug reporting, improving over tools like **Linear** and **Zoho**.
- Implemented **task status tracking** with clear visibility of who is working on what & till when, improving team coordination and planning.
- Added strong **validations** and **auto task assignment logic** to ensure correct workflows and reduce manual effort.
- Enabled **real-time updates** and centralized tracking to improve overall productivity and team collaboration.
- Implemented **Windows single-instance deep-linking** using C++ IPC and Flutter method channels.

Project Engineer - Full Stack Engineer

Crio.Do Pvt Ltd, Bangalore, INDIA

Nov 2023 - Feb 2025

- Built a **user dashboard** to track assignments, quiz scores, completion status, and pending tasks with high visibility, driving accountability and increasing platform engagement by **23%**.
- Collaborated with product owners to understand requirements and owned code from **design to implementation E2E**.
- Led **code reviews and documentation**, improving team efficiency and reducing bugs by **20%**.

Product Manager

Eazybe Software Pvt Ltd, Noida, INDIA

Aug 2023 - July 2024

- Managed **product releases**, delivering new features and updates with an **80% on-time delivery rate**
- Worked closely with founders and engineering teams to gather user feedback, prioritize feature requests, and proactively resolve user issues, reducing **customer support queries by 25%**.

PROJECTS

Cryptocurrency Dashboard — React, Redux, Tailwind

[GitHub](#) — [Demo](#)

- Developed a centralized platform where users can track cryptocurrency prices, market volumes, and trends, enabling comparisons between multiple cryptocurrencies.
- Implemented real-time data, alerts, news updates etc, helping users monitor portfolios which will increase engagement

AI Assistant Pet Health Care React, supabase, Node.js, Tailwind, Gemini Model 3 LLM Pipeline Integration [GitHub](#) — [Demo](#)

- Created and deployed production-ready, embeddable chatbot SDK for veterinary clinics that provides AI-powered pet care assistance and appointment booking capabilities.

EDUCATION

M.R.S Punjab Technical University

Bachelor of Technology - Computer Science and Engineering

Bathinda, Punjab, IN

June 2017 - July 2021