

# Kiran Dash

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Full-Stack Developer with 10+ years of experience building scalable cloud-native applications using Node.js, TypeScript, React, PostgreSQL, and GCP. Proven track record integrating LLMs into production workflows, and collaborating cross-functionally to deliver business-impactful AI tools. Strong background in prompt engineering, model evaluation, and deployment across cloud platforms.

## WORK EXPERIENCE

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**Vantient** · Founding Engineer | Full Stack Developer · Singapore

Aug '23 - Apr '25

Built AI tools for the hospitality domain. We were a team of 8, currently undergoing acquisition discussions.

- Built and quickly iterated on features end-to-end, including backend services, database models, APIs and frontend.
- Features included an [AI-powered, WhatsApp-integrated Task Manager](#) with automated task assignment, an [advanced roster system](#) with automated workforce scheduling, an [AI-powered rich text editor](#), a [hiring system](#), an [amenities tracker](#), etc.
- Built an internal tool to evaluate and benchmark LLM outputs across different prompts, models, and input variations. Enabled automated prompt testing and side-by-side model comparisons.
- Developed a RAG system for document intelligence using OpenAI, LangChain and Pinecone. Uploaded hospitality SOPs and knowledge docs, enabling AI-powered Q&A across internal data.
- Designed agentic workflows using LangChain. Implemented memory-aware agents capable of chaining internal tools like task generators, calendar schedulers, and document summarizers.
- Contributed to the system design and architectural decisions for Vantient web applications.
- Implemented monitoring/logging with Axiom and PostHog. Led engineering-wide post-mortems for reliability.
- Handled backend deployment using GCP services (App Engine, IAM, Firestore), and ramped up on Azure DevOps to support client-specific compliance requirements and integration needs.
- Integrated Fabric.js to enable canvas-based graphics editing within the product.
- Drove a cross-team project to implement rich text editing for Vantient web products using Lexical.
- Ranked among the top 15 contributors to [Facebook/Lexical](#), currently holding the 12<sup>th</sup> spot with 38 commits. Lexical is the open-source text input library used by Facebook, WhatsApp, Instagram, Bloomberg, and other sites. It is the ninth most starred open-source project on Meta's Github organization.
- Selected for the Lexical Core "Heroes" group, collaborating with experts from Meta, Bloomberg, and startups on API improvements and project direction.
- Tech: Next.js, React, TypeScript, Node.js, Azure AI, GCP, RESTful APIs, OpenAI, Replicate, Lexical, Fabric.js, Langchain, TanStack Query, Tailwind CSS, Redis, Pinecone, PostgreSQL, Firestore, Axiom, Posthog, Playwright, Vitest

**Liquidity One** (formerly Finxflo) · Lead Frontend Developer · Singapore

Nov '22 - Aug '23

Finxflo was acquired by BlocTech Investment Group and rebranded as Liquidity One.

- Led a team of 3 Frontend developers and 1 QA Engineer to implement an [online web trading platform for crypto](#).
- Implemented business-critical features with comprehensive e2e tests, ensuring reliability and maintainability.
- Proposed and integrated keyboard accessibility enhancements, improving the platform's usability for all users.

**Finxflo** · Lead Frontend Developer · Singapore

Nov '20 - Oct '22

- Led a team of 5 Frontend Developers, 2 QA Engineers, and 1 UX Designer to build an [online web trading platform for crypto](#) from the ground up, ensuring high performance, scalability, and a seamless user experience.
- Built key frontend features, including the order book, multi-chart trading view, order form with different order types (Limit, Market, Stop Limit etc.), on/off ramp services using MoonPay and Banxa, KYC verification with Onfido, real-time portfolio and order history, account-level MFA security, whitelisting options etc.
- Ran regular meetings, retrospectives, 1:1s, and led scrum ceremonies for the web frontend engineering team.
- Collaborated with cross-functional teams to prioritize and deliver features aligned with business goals.
- Conducted code reviews to maintain high-quality standards across the team.
- Optimized the order book performance, implementing a size check for collected order entries.

- Developed a [reusable frontend component library](#), streamlining UI development for the trading application.
- Established code standards using ESLint, Prettier, Husky, commitlint, and Lint-Staged to enforce best practices.
- Implemented unit testing for components and accessibility testing with React Testing Library and axe-core.
- Developed mocking techniques with MSW, improving testing coverage and debugging efficiency.
- Reduced web app memory usage by 50% and repeatedly improved site TTI from above 7s to under 3.5s.
- Improved codebase build time by over 25% in spite of +2x LOC growth. Code-modded codebase (over 400k LOC at the time) to strict TypeScript.
- Tech: React, TypeScript, Redux (incl. Saga), Bootstrap, Styled Components, JavaScript, Media Queries, Moment.js, Formik, Storybook, Cypress, Jest, MSW, Axios, React Testing Library, ESLint, SonarLint, Sentry, jscodeshift

**True Stats Labs** · Senior Frontend Developer · Singapore

'19 - '20

- Developed the frontend for an [online real estate e-bidding platform](#), ensuring a seamless user experience.
- Contributed to backend development by building RESTful APIs using Django REST Framework and Python.
- Tech: React, TypeScript, Redux, Redux-API-Middleware, Django, Python, Material-UI, Moment.js

**Virtusa** · Associate Consultant · India and Singapore

'18 - '19

- Worked on the frontend of an online portfolio management web application for OCBC bank, Singapore.
- Tech: Angular 5, CanJS, TypeScript, JavaScript, Axios, Cypress, MobX, RxJS, Sass

**Stratosphere IT Services** · Software Developer · Hyderabad, India

'17 - '17

- Built and maintained a custom PHP-MySQL CMS for [Myriad \(healthcare provider\)](#), managing data and workflows.

**Infasta Soft Solutions** · Software Developer · Hyderabad, India

'15 - '17

- Developed backend logic and database integration for [14 websites](#) using PHP, MySQL, and WordPress.

**Tragmatics** · PHP Developer · Vizianagaram, India

'13 - '15

- Engineered a backend tool to auto-generate dynamic image and video assets from structured text input.
- Tech: PHP, MySQL, ffmpeg, ImageMagick

## TECHNOLOGIES AND LANGUAGES

### Primary Technologies (Core Expertise):

- Backend & APIs: Node.js, NestJS, Django, Python, WordPress, PHP, Google OR-Tools, GraphQL, RESTful APIs, Axiom
- AI & Vector Database: OpenAI, Replicate, Langchain, Pinecone, AzureAI, Hugging Face, ChromaDB
- Cloud & Database: GCP, Azure, PostgreSQL, MySQL, Firestore, MongoDB
- Frontend: Next.js, React, TypeScript, Tailwind CSS, Radix UI, Bootstrap, Material-UI, React Hook Form, Formik, CSS3, HTML5, Media Queries, Axios, Redux (incl. Saga), Styled Components, Storybook, Zod, IndexedDB, Apollo Client
- Testing & CI/CD: Playwright, Vitest, Cypress, Jest, React Testing Library, GitHub Actions, Vercel, Cloudflare Workers
- Tooling & Collab: Commitlint, ESLint, Figma, Git, Jira, Lint-Staged, Notion, pnpm, SonarLint, Vite, Webpack, yarn

### Secondary Technologies (Familiar & Used in Past Projects):

- Full Stack: Remix, React Native, Sass, MobX, RxJS, Express, Chatwoot, jQuery

## EDUCATION

**Biju Patnaik University of Technology (BPUT)**

'09 - '16

Bachelor of Technology, Electrical and Electronics Engineering

Odisha, India

**Jawahar Navodaya Vidyalaya**

'07 - '09

Intermediate (Class 11–12)

Odisha, India