

Vaibhav Kaul

Full Stack Developer — Node.js, Next.js, Cloud-Native Architecture

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PROFESSIONAL SUMMARY

Full Stack Engineer with 2 years of experience architecting scalable AI-driven platforms and cross-platform e-commerce solutions. Expert in building real-time voice infrastructure (WebSockets, VAD), widely adopted SDKs, and high-performance serverless APIs using Node.js and Python. Proven track record of reducing integration times by 90% and optimizing bulk data processing for enterprise clients.

SKILLS

- **Languages & Frameworks:** TypeScript, JavaScript, Python, Node.js, Express, Next.js, React, Angular, Socket.IO
- **AI & Voice:** LLMs, STT/TTS Pipelines, Dialogflow, LangChain, Twilio, Vonage, Voice Activity Detection (VAD)
- **Platforms & Tools:** Shopify App Framework, BigCommerce APIs, WordPress, Docker, AWS (Lambda, S3), Git
- **Databases & Auth:** PostgreSQL, TypeORM, Logto, OAuth, JWT, Amazon RDS
- **Languages:** English (Full professional), Hindi (Full professional), Gujarati (Elementary)
- **Interpersonal Skills:** Collaboration in team environments, Strong written and verbal communication, Adaptable to dynamic challenges

WORK EXPERIENCE

- **eDelta Corporation (formerly eDelta Enterprise)** Surat, Gujarat
July 2024 – Present
 - **E-commerce Protection Platforms (ProtectAllPlans)**
 - * Designed and developed **ProtectAllPlans**, a cross-platform protection system for Shopify, BigCommerce, and WordPress, enabling dynamic warranty injection.
 - * Built CSV-based import pipelines for custom styling and warranty mapping, allowing merchants to map store products to protection plans dynamically.
 - * Implemented Shopify Cart Transformer logic for dynamic pricing and developed Theme App Extensions to render plans on product pages, increasing conversion.
 - * Developed a BigCommerce extension (Next.js) with Widget APIs, reducing bulk product-plan assignment time for 50+ products to ~5 seconds (90% reduction).
 - * Created a WordPress plugin replicating the protection-plan workflow for WooCommerce stores.
 - **VoiceNow AI Voice Platform & SDK**
 - * Built a full-stack AI voice assistant platform with a Python WebSocket (Uvicorn) backend for real-time audio streaming (VAD → STT → LLM → TTS).
 - * Designed and published the **VoiceNow SDK** (NPM), a framework-agnostic package with React/Angular adapters and unified lifecycle controls for effortless integration.
 - * Orchestrated organization-level auth (Logto) with usage-based limits and implemented file ingestion pipelines (S3) to generate embeddings for knowledge-base responses.
 - * Integrated Twilio Programmable Voice/Vonage for real-time call handling and developed comprehensive analytics for call logs and costs.
 - **Omnichannel Engagement (XUnified) & Serverless Bots**
 - * Engineered multi-channel communication APIs for WhatsApp, Facebook, Instagram, and Telegram, routing messages dynamically to Dialogflow or LLM bots.
 - * Designed a **Serverless Voice Bot** architecture using AWS Lambda (Python) and API Gateway, integrating Twilio and Amazon RDS for scalable call processing.
 - * Developed WhatsApp Templates and a Live Chat system with cross-channel conversation history.
- **eDelta Enterprise Solutions Pvt. Ltd.** Ahmedabad, Gujarat
Dec 2023 – June 2024
 - **No-Code AI Studio Platform**
 - * Designed and developed the core architecture of a proprietary no-code AI chatbot builder from scratch.
 - * Implemented a node-and-edge graph system enabling drag-and-drop flow creation with functional nodes (Send Message, Collect Input, Condition).
 - * Established backend support for node execution and flow validation, forming the base of the platform's automation capabilities.

EDUCATION

- **Dharmsinh Desai University** Nadiad, Gujarat
Passed in 2024
 - *Bachelor of Technology in Computer Science Technology; CPI: 7.65*