



Vishal Singh

Software Developer

Profile

Dedicated full-stack web and mobile application developer with hands-on experience in building scalable, high-quality solutions for both Android and iOS platforms. Passionate about continuously expanding expertise in modern full-stack technologies, mobile development, and delivering robust, user-centric applications that meet business goals.

Skills

- **Programming Languages:**
TypeScript, JavaScript, Python
- **Frontend Technologies:**
React, React Native, Next.js, Angular, Electron.js, HTML, CSS
- **Backend Technologies:**
Node.js, Express.js, WebRTC, GraphQL, AI Agents, MCP (Model Context Protocol)
- **Databases:**
MySQL (Relational DBMS), MongoDB (Non-relational DBMS)
- **ORMs/ODMs:**
Sequelize, Mongoose
- **DevOps & Tools:**
AWS, Git (Version Control), Postman, Jest (Testing)
- **Other:**
Data Structures & Algorithms (DSA)

Education History

Bachelor of Science in Information Technology

Ranchi University | 2014 – 2017

Certification in Backend Development

10-Month Backend Developer Program

Contact Information

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GitHub: <https://github.com/vishal-singh-jaiinfoway>

Employment History

Software Engineer

Jai Infoway Pvt. Ltd. — February 2023 – February 2024

- Developed and maintained web and mobile applications for global clients across multiple industries.
- Contributed to full-stack development, from frontend UI to backend APIs.
- Collaborated with cross-functional teams to deliver scalable and efficient solutions.

Mobile App Developer

Brightcode Pvt. Ltd. — March 2024 – August 2024

- Focused on developing and enhancing mobile applications for both Android and iOS platforms.
- Also contributed to web application development, participating in full project lifecycles.
- Ensured high-quality code, performance optimization, and responsive UI designs.

Software Engineer (Current Role)

Jai Infoway Pvt. Ltd. — August 2024 – Present

- Working in a dynamic service and product-based start-up environment, delivering innovative applications to clients worldwide.
- Successfully developed and deployed multiple web and mobile projects, tailoring solutions to meet diverse client requirements.
- Engaged in full-stack development using modern frameworks and technologies.

Projects

Web Applications

SWFI Markets (formerly Xinerva Tech)

Big Data platform for extracting and analyzing SEC filings for fintech applications.

Tech Stack: Angular, Express.js, Node.js, MongoDB, MySQL, TypeScript, JavaScript, HTML, CSS, Material UI

Contributions:

- Developed RESTful APIs for authentication, data storage, retrieval, and management.

- Designed and implemented user interfaces.
- Conducted unit testing to ensure system reliability.

Xinerva Social Media

[Social media platform for investors providing financial insights based on SEC filings.](#)

Tech Stack: Angular, Express.js, Node.js, MongoDB, TypeScript, JavaScript

Contributions:

- Developed a web scraper to extract and process investment-grade SEC filings.
- Built an annotation tool allowing users to highlight and comment on filing data for collaborative analysis.

Kiddie Kredit Org App

[Organization management platform for families using Kiddie Kredit.](#)

Tech Stack: React, Express.js, Node.js, MongoDB, TypeScript, JavaScript

Contributions:

- Developed APIs for authentication, user management, data storage, notifications, and media uploads.
 - Designed schemas, wrote optimized database queries, and built user interfaces.
 - Handled application testing, deployments, and maintenance.
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PetLinx

[Pet grooming, boarding, and daycare management software.](#)

Tech Stack: React (Next.js), Express.js, Node.js, PostgreSQL, TypeScript

Contributions:

- Built email template editor for customizable communications.
- Performed bug fixing and code optimization for improved performance.

Earnings Call

AI-powered platform providing insights into company earnings calls and financial reports.

Tech Stack: Next.js, TypeScript

Contributions:

- Developed the application end-to-end, integrating AI-powered data processing and visualization.
- Implemented real-time sentiment analysis, Q&A functionality, and transcript generation from earnings calls.
- Built features to fetch, upload, and manage earnings calls for multiple companies.
- Developed earnings calendar, company performance comparison tools, and AI-generated visual reports.
- Integrated SEC filing reports including income statements, balance sheets, and cash flow statements.
- Added voice assistant functionality for interactive financial insights.

Key Features:

- AI-powered earnings call analysis
 - Sentiment analysis & real-time graphs
 - Earnings call transcripts & uploads
 - Company comparisons & financial reports
 - SEC filings integration
 - Voice assistant for conversational queries
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AutoFlow

End-to-end sales automation platform for lead generation, data enrichment, and outbound marketing.

Tech Stack: Next.js, Express.js, Node.js, TypeScript, JavaScript

Contributions:

- Developed the full application from scratch, handling complete frontend, backend, and integrations.
- Implemented multi-source data extraction pipelines from platforms like Nasdaq, Google Sheets, Y Combinator, Clutch, and LinkedIn.
- Built enrichment workflows by integrating Apollo.io API to retrieve emails, LinkedIn profiles, and phone numbers for extracted leads.
- Designed marketing automation workflows for running email and voice drop campaigns targeting enriched leads.
- Enabled seamless campaign management with real-time tracking and performance reporting.

Key Features:

- Multi-platform data extraction (Nasdaq, YCombinator, Google Sheets, LinkedIn, Clutch)
 - Automated data enrichment via Apollo.io (emails, LinkedIn URLs, phone numbers)
 - Outbound marketing: email campaigns and voice drops
 - Campaign performance monitoring and lead management
 - End-to-end automation from lead discovery to outreach
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Mobile Applications

Kiddie Kredit Mobile App (iOS & Android)

Gamified financial education app for children to learn credit concepts through chore management.

Tech Stack: React Native, Express.js, Node.js, MongoDB, AWS, TypeScript, JavaScript

Contributions:

- End-to-end development of the mobile application.
- Built core features such as task assignment, reward systems, credit score simulation, progress tracking, and educational modules.
- Integrated Braze for behavior tracking, campaign management, and personalized notifications.
- Developed secure authentication, push notifications, and parental controls for data privacy.

LOGIK (Client & Driver Apps)

Logistics and vehicle rental platform for seamless delivery services.

Tech Stack: React Native, Express.js, Node.js, MongoDB, TypeScript, JavaScript

Contributions:

- Fully developed both client and driver applications.
 - Implemented vehicle booking, real-time tracking, route optimization, invoicing, ride history, and secure payments.
 - Integrated smart vehicle-driver matching algorithms.
 - Developed real-time notifications, secure user authentication, and transaction management.
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Koodums Chat

AI-powered digital concierge chatbot for hotels offering room services, travel planning, ticket booking, and itinerary management.

Tech Stack: React, Express.js, Node.js, Python, Google Cloud Services, TypeScript, JavaScript

Contributions:

- Focused on building the MCP (Model Context Protocol) client and server architecture to connect AI agents with external tools like Google Maps and YouTube.
- Implemented MCP servers from scratch to handle tool calls for fetching place details, directions, reviews, photos, YouTube videos, comments, live streams, shorts, channels, and playlists.
- Developed prompt optimization logic to clarify incomplete or ambiguous user queries by analyzing conversational context or dynamically requesting missing information from the user.
- Designed and implemented context management system to ensure optimal LLM performance by maintaining only the latest 10 conversational turns for efficient memory usage and relevant context injection.
- Enabled AI agents to dynamically chain tool calls through MCP servers to enrich user conversations and deliver personalized, context-aware responses.
- Collaborated on integration with cloud services for scalable deployment and real-time system performance.

Key Features:

- AI-driven travel assistance and room services via conversational UI
 - MCP-based external tool integration (Google Maps, YouTube)
 - Intelligent prompt refinement for incomplete queries
Dynamic context management for LLM conversation history
 - Scalable architecture for high-performance chatbot operation
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Mobile & Web Applications

Intellibooks

Cross-platform desktop application for hotel and restaurant owners to manage orders, inventory, and billing operations.

Tech Stack: React, Electron.js, Express.js, Node.js, TypeScript, JavaScript

Contributions:

- Developed a multi-platform desktop application compatible across various operating systems.
 - Implemented hash-based routing and platform-specific adaptations for cross-OS compatibility.
 - Developed modules for order management, stock handling, billing, and reporting.
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DELIGO

End-to-end food and grocery ordering platform with apps for customers, vendors, delivery partners, and admin operations.

Tech Stack: React Native, Express.js, Node.js, MongoDB, TypeScript, JavaScript, Firebase, Razorpay

Contributions:

- End-to-end development of customer, vendor, delivery partner apps, and admin panel.
- Built key modules for order management, real-time tracking, payments, vendor inventory, and delivery partner assignments.

- Integrated Razorpay for secure multi-payment options including digital wallets and COD.
- Implemented Firebase for real-time updates, push notifications, and seamless order tracking.
- Designed role-based access control for secure user, vendor, delivery partner, and admin functionalities.
- Built analytics dashboards for performance monitoring, vendor reporting, and transaction management.

Key Features:

- Real-time order tracking with ETA
 - Scheduled deliveries and multiple payment options
 - Vendor-side inventory management and reporting
 - Delivery partner route optimization and earnings tracking
 - Admin panel with complete control on operations, promotions, and payments
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OFLEP CONNECT

Video conferencing platform offering HD calls, collaboration tools, and secure virtual meetings for individuals and businesses.

Tech Stack: React Native, Express.js, Node.js, WebRTC, MongoDB, Socket.io, TypeScript, JavaScript
Contributions:

- Designed and developed high-quality multi-party video calling functionality using WebRTC.
- Built core features such as screen sharing, chat, reactions, and meeting scheduling with recording support.
- Implemented advanced host controls for muting, video toggling, participant management, and permissions.
- Integrated secure, password-protected meeting invites with time-limited access links.
- Developed cross-platform solutions to support both mobile (iOS & Android) and web-based participation.
- Configured TURN servers for improved call stability and reliability under various network conditions.

Key Features:

- Real-time chat & reactions during calls
- Multi-participant grid layout for up to 10 participants
- Raise-hand feature for organized communication
- Screen sharing, host moderation, and secure access control
- Cross-platform video calls (Web & Mobile)