

VINOD KUMAR

Full Stack Developer | AI Application Engineer

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PROFESSIONAL SUMMARY

Full Stack Developer with nearly 7 years of experience building and running production web applications and SaaS products. Works across React frontends, Node.js/Express.js REST APIs and PostgreSQL data models, owning application modules from implementation through Linux server deployment and production support. Integrates AI into applications using the OpenAI API, GPT models, AI agent workflows and MCP, keeping model calls behind backend validation and business rules. Earlier background in PHP, WordPress and Shopify for client CMS and e-commerce.

TECHNICAL SKILLS

Core Full Stack: React.js, JavaScript (ES6+), HTML5, CSS3, Node.js, Express.js, REST API Design, Third-Party API Integration, Git/GitHub, k6 (Load Testing)

AI Application Engineering: OpenAI API, GPT Models, LLM Integration, AI Agent Workflows, MCP Servers, Prompt Engineering

Databases: PostgreSQL, MySQL, Schema Design, Query Development

Infrastructure & Deployment: Linux/Ubuntu, Nginx, Apache, AWS, DigitalOcean, Linode, Hostinger, DNS & Domains, Server & Site Migration, Production Troubleshooting

CMS / E-commerce: WordPress, WooCommerce, Elementor, Shopify, PHP

Exploring (not yet professional use): MongoDB, JWT Authentication, RAG, Embeddings & Vector Databases, Tool/Function Calling, LLM Evaluation, Docker, TypeScript, System Design

PROFESSIONAL EXPERIENCE

Full Stack Developer | Garage Productions Pvt Ltd, Noida | *Jun 2020 - Present*

- Own assigned application modules end to end within a development team, from React UI and Express.js REST APIs to PostgreSQL schemas, deployment and production support, across company SaaS products and client applications.
- Design REST API contracts with request validation and error handling, keeping React clients and Express services decoupled as features evolve.
- Model PostgreSQL schemas for application content, user data and workflow state, and resolve data issues affecting live applications.
- Integrate the OpenAI API and GPT models as a backend service layer, handling prompt construction, response parsing and failure paths so model calls are never exposed to the client.
- Build AI agent workflows and MCP server integrations, with backend validation and business rules deciding what generated output is permitted to trigger.
- Deploy and maintain 15+ client applications (Node.js and PHP) on Linux/Ubuntu servers across AWS, DigitalOcean, Linode and Hostinger, configuring Nginx/Apache, environments and DNS.
- Migrated 20+ live sites between hosting providers, handling data transfer, server configuration and DNS cutover with minimal downtime.
- Diagnose production defects across the browser, network, API, database and server layers, working from reported symptom to root cause.
- Deliver and customise WordPress and Shopify builds for client websites, including theme, plugin and third-party service integration.

Web Developer | Connecting Dots Pvt Ltd | *Nov 2019 - Apr 2020*

- Delivered and maintained client WordPress websites, including customisation, content migrations and release updates, with defect fixing and QA before client handover.
- Installed and administered Apache and Nginx servers, and set up domains and hosting for company clients.
- Applied SEO best practices and tracked site performance through analytics tooling.

SELECTED PROJECTS

MoneyGence — Financial Management SaaS | moneygence.com

Stack: *React.js, Node.js, Express.js, PostgreSQL*

- Contributed to a financial management SaaS platform for service businesses, supporting client finances, invoicing, collections, receivables and financial visibility.
- Owned 3 application modules (invoicing, receivables and reports), implementing frontend functionality, backend APIs and database-backed workflows in collaboration with the development team.

Haylow.ai — AI Search Visibility Platform | haylow.ai

Stack: *React.js, Node.js, Express.js, PostgreSQL, AI APIs*

- Developed AI-powered application workflows integrating 4 AI providers to analyse brand visibility, mentions, sentiment and citations across AI-generated search responses.
- Implemented backend workflows for AI integrations, response processing and persistent data management, supporting analytics and competitor visibility reporting.

OnGrid.work — Team Operations SaaS | ongrid.work

Stack: *React.js, Node.js, Express.js, PostgreSQL*

- Built the core application modules and backend workflows end to end for a team operations platform, connecting project management, task ownership, workload planning and business processes.
- Developed React interfaces, Express.js REST APIs and PostgreSQL data models supporting interconnected modules and persistent operational workflows.

Active Indian — Multi-Channel AI Content Generation & Publishing

Stack: *React.js, Node.js, Express.js, PostgreSQL, OpenAI API, GPT, AI Agents*

- Built an agent-driven system producing blog articles, social media posts and LinkedIn content, with channel-specific prompt structures and formatting handled in the Node.js layer.
- Implemented publishing automation that routes each generated asset to its target channel only after backend checks, removing manual copy-paste distribution.

Other full-stack builds (React.js, Express.js, PostgreSQL): [Garagecollective.agency](https://garagecollective.agency) — GPT-backed platform turning client briefs into blog, social and LinkedIn copy • [Workgrid.in](https://workgrid.in) — internal business workflow application • [Siasolr.in](https://siasolr.in) — frontend, backend and deployment end to end • [Garageproductions.in](https://garageproductions.in) — database-driven company site with PostgreSQL-backed content management

Additional E-commerce Projects

Ujjwalaa — Natural Skincare and Haircare E-commerce | ujjwalaa.com

Platform: *Shopify*

- Developed and customised a Shopify storefront for a natural skincare and haircare brand, supporting product collections, promotional bundles, discounted products and content-led product discovery.

Kaayu Rituals — Ayurvedic Wellness E-commerce | kaayurituals.com

Platform: *Shopify*

- Developed and customised a Shopify storefront for an Ayurvedic wellness brand, organising skincare, haircare, herbal tea and wellness products through structured collections, brand storytelling and educational content.

ADDITIONAL PROJECTS

Dhyeya IAS (WordPress) • MPGI (WordPress) • Elysian Nglorry (WordPress) • World5 Fund (PHP) • iDAY Archive 2025 (PHP) • Additional CMS and e-commerce builds including TiEcon Delhi, Pan Bahar and Tea Valley.

EDUCATION

Master of Science (Informatics) - South Campus, University of Delhi | 2014 - 2016

Bachelor of Science (Electronics) - Maharaja Agrasen College, University of Delhi | 2011 - 2014

LANGUAGES

English, Hindi