

Vijay Singh

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SOFTWARE DEVELOPMENT

Software Engineer with experience building scalable full-stack web applications and AI-powered products using Next.js, NestJS, PostgreSQL, Redis, TypeScript, and cloud technologies. Developed production-grade systems serving thousands of users, including scalable APIs, authentication systems, analytics pipelines, and Generative AI integrations. Experienced with LLMs, RAG architectures, vector databases, and modern AI tooling. Passionate about software engineering, artificial intelligence, distributed systems, and building high-impact products at scale.

TECHNICAL SKILLS

Languages	Frontend	Backend	Databases	Tools	AI / Gen-AI
- JavaScript - TypeScript - Python - C++	- React.js - Next.js - Tailwind CSS - SEO	- Node.js - NestJS - Express.js - Django / FastAPI	- PostgreSQL - MongoDB - Redis - Vector DB	- Git/GitHub - Docker - AWS / GCP - Linux / SSH	- OpenAI - RAG - Vector Embeddings - Vertex AI

PROFESSIONAL EXPERIENCE

Oppskills

Feb 2025 - June 2026

Founding Engineer

- Built a full-stack opportunity discovery platform using Next.js, NestJS, PostgreSQL, and Redis, serving 10,000+ users.
- Developed scalable REST APIs, authentication systems, and database architectures powering platform-wide functionality.
- Engineered modules supporting 40+ events and 50+ hackathons, enabling streamlined opportunity discovery and user engagement.
- Implemented a Redis-based analytics aggregation system to reduce database write frequency and improve backend scalability.
- Owned end-to-end feature development, from requirement analysis and system design to deployment and maintenance.
- Optimized application performance through efficient database queries, caching strategies, and API enhancements.
- Collaborated with product, design, and engineering teams to deliver a seamless and responsive user experience.

Ponion | Full-Stack Restaurant Discovery & Ordering Platform

- Built a multi-tenant food discovery and ordering platform inspired by modern restaurant marketplaces using Next.js, Node.js, and MongoDB.
- Developed a customer-facing application for restaurant discovery, menu browsing, and order placement.
- Engineered a dedicated restaurant management portal enabling restaurant owners to manage menus, listings, and operational data.
- Built a Super Admin dashboard for onboarding, approval workflows, restaurant verification, and platform-wide management.
- Designed role-based access control and scalable backend APIs to support multiple user types across the platform.
- Architected the system to support a future delivery partner application for order assignment, delivery tracking, and route management.
- Owned end-to-end development including database design, API development, frontend implementation, deployment, and maintenance.

Upwork/Fiverr

Jan 2022 - June 2025

Freelance Full Stack Developer

- Delivered 10+ web development projects for startups, small businesses, and international clients.
- Collaborated with clients across 5+ countries, providing end-to-end software development services.
- Generated \$5,000+ in freelance revenue through successful project delivery and long-term client relationships.
- Maintained a 100% project completion rate, consistently delivering projects within agreed timelines and requirements.
- Achieved strong client retention through high-quality deliverables, resulting in repeat engagements and referrals.
- Built full-stack applications using React.js, Next.js, Node.js, NestJS, PostgreSQL, MongoDB, and cloud deployment platforms.
- Managed the complete development lifecycle, including requirements gathering, architecture design, implementation, deployment, and maintenance.

Rotaract Club of Galgotias Educational Institutions

July 2025 - Present

Technical Services Director

- Serve as Technical Coordinator for the Rotaract Club, supporting the organization's digital initiatives and technical operations.
- Manage and maintain the club's official website, ensuring reliability, performance, and content updates.
- Collaborate with club leadership and cross-functional teams to support event promotion, registrations, and member engagement activities.
- Develop and implement technical solutions to streamline club operations and improve user experience.
- Provide technical support for online campaigns, community programs, and student-focused events.
- Contribute to the planning and execution of social impact initiatives, leadership programs, and community outreach activities.

EDUCATION & CERTIFICATIONS

Bachelor of Technology (B.Tech) in CSE - 2028

Majors: Computer Science and Engineering
Galgotias College of Engineering and Technology

Machine Learning Operations (MLOps) for GenAI

Google

(MLOps) with Vertex AI: Model Evaluation

Google

EXTRACURRICULAR ACTIVITIES

Director, Technical Services

Rotaract Club of Galgotias Educational Institutes

Web Development Workshop Facilitator

Conducted hands-on workshops for junior students on web development fundamentals and modern technologies, fostering practical learning and technical growth.