

Himanshu Karnwal

Full-Stack Developer | Backend Engineer | Frontend Engineer

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PROFESSIONAL SUMMARY

Senior Full-Stack Developer with 5+ years of freelance experience designing and delivering scalable web, mobile, and browser-based applications. Proficient in React, Next.js, Node.js, NestJS, and cloud deployments. Strong command of system design, real-time architectures, RBAC, multi-tenant SaaS platforms, and CI/CD pipelines. Comfortable owning the entire product lifecycle — from architecture and API design to production deployment — across diverse client engagements.

TECHNICAL SKILLS

Frontend: React.js, Next.js, Angular, React Native (Expo), TypeScript, JavaScript, Tailwind CSS, SCSS/SASS, Framer Motion

Backend: Node.js, NestJS, Express.js, Flask, REST APIs, WebSockets, JWT, RBAC, OTP, SSO

Databases: MongoDB, PostgreSQL, MySQL, SQLite, Oracle, Supabase, Firebase — relational, NoSQL & hierarchical modeling

Cloud & DevOps: Docker, GitHub Actions, CI/CD, AWS, DigitalOcean, Vercel, Firebase Hosting, Linux, DNS & email configuration

Architecture: Modular Architecture, Low-Level Design (LLD), Microservices, Real-Time Systems, Scalable API Design

Automation: Chrome Extensions, Telegram Bots, Web Scraping, Workflow Automation

PROFESSIONAL EXPERIENCE

Freelance Full-Stack Developer | Self-Employed | 2021 – Present

- Delivered end-to-end web, mobile, and browser-extension products for multiple clients across India and internationally (Australia, USA, Canada, Belgium).
- Architected scalable full-stack systems using React, Next.js, Node.js, NestJS, MongoDB, and PostgreSQL, with a focus on modularity and maintainability.
- Built secure authentication flows including JWT, RBAC, OTP, and SSO across various client applications.
- Implemented real-time features using WebSockets and designed event-driven backend systems for high-availability use cases.
- Managed cloud deployments on AWS, DigitalOcean, and Vercel with CI/CD pipelines via GitHub Actions and Docker.
- Collaborated directly with clients to translate business requirements into detailed technical specifications and production-ready solutions.
- Maintained large codebases, conducted code reviews, and established frontend starter templates to accelerate future project delivery.

KEY PROJECTS

100x.bot — AI Browser Agent (Chrome Extension) [Website](#) | [Agent](#)

Chrome Extension | Browser Automation | AI Integration

- Built a Chrome extension functioning as a full AI browser agent capable of tab management, DOM manipulation, event handling, and automated multi-step workflows.
- Integrated deep browser APIs including content scripts, background services, and permission models to enable enterprise-level automation use cases.

- Designed extensible architecture supporting virtually any browser-level action, boosting user productivity through intelligent workflow automation.

OasisNotes — Multi-Tenant SaaS Notes & Productivity Platform [App](#) | [Website](#)

React | *NestJS* | *PostgreSQL* | *Multi-Tenant Architecture*

- Developed a multi-tenant SaaS platform with strict tenant-level data isolation, scalable backend architecture, and role-based access control.
- Built full-stack features across authentication, dashboards, and core productivity workflows with a focus on performance and maintainability.
- Implemented modular backend structures and scalable data-handling patterns to support production-level feature delivery.

Plantark — E-Commerce Platform (Australia)

React.js | *REST APIs* | *Responsive UI*

- Engineered the complete frontend for an Australian online plant retail platform, delivering a responsive, high-performance UI.
- Integrated product listings, category flows, and a user-friendly purchasing experience via seamless backend API consumption.

Blue-Collar Job Portal — Mobile-First Hiring Platform

React Native (Expo) | *NestJS* | *MongoDB*

- Designed and built a mobile-first job portal connecting employers with blue-collar workers, featuring multi-role architecture (Admin, Employer, Worker).
- Implemented a trust-first onboarding flow with delayed authentication and hierarchical user relationships with complex business-rule evaluation for team-based metrics.

EDUCATION

Master of Computer Applications (MCA) | Chandigarh University (Online)

Bachelor of Computer Applications (BCA) | Kurukshetra University — TIMT

ADDITIONAL

- Solved 250+ algorithmic and data structure problems on HackerRank; earned 6 certificates demonstrating proficiency across multiple domains.
- Built reusable frontend and backend starter templates using multiple tools and libraries — adopted across multiple client projects.
- Open to remote and international engagements; experienced collaborating with overseas clients.