

Kunal Bhadana

Full-Stack Web Developer | AI-Powered Web Apps | Custom CRM | Production Support

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Professional Summary

Results-driven Full-Stack Developer with 2+ years of experience (1.5+ year professional, 0.5+ year freelance) delivering production-grade web applications – from AI-powered tools and custom CRMs to creator marketplaces and astrology platforms. Proficient in Next.js, React.js, Node.js, NestJS, MongoDB, and Firebase, with a proven track record of end-to-end ownership: design → development → deployment → maintenance. Experienced in Razorpay payment integrations (processing ₹10L+ in transactions), real-time chat systems, enterprise authentication architectures, and Gemini API-driven AI features. Adept at delivering client-focused, scalable solutions with measurable business outcomes.

Technical Skills

Category	Technologies
Frontend	Next.js 14 (App Router, SSR, CSR), React.js (Hooks, Context API), Tailwind CSS, Responsive UI/UX
Backend	Node.js, Express.js, NestJS (DTOs, Services, Modules), REST APIs, Serverless (Vercel)
Database & Storage	MongoDB (Mongoose, Query Optimization), Firebase (Auth, Firestore, Real-time DB)
Auth & Security	Firebase Auth, JWT, Session Auth, Role-Based Access Control (RBAC), MiniOrange OTP
AI & Automation	Gemini 1.5 Flash API, Custom AI Agents, Prompt Engineering, AI Chat Assistants
Payments & APIs	Razorpay, Google/Facebook/Apple OAuth, Third-Party API Integration, Analytics Tracking
DevOps & Deployment	Vercel, Netlify, DNS/SSL Management, Environment Configuration, Performance Optimization

Category	Technologies
Product Systems	Real-Time Chat, Admin Panels, CRM Workflows, Search & Filtering, Profile Management

Professional Experience

Unified Mentor – Web Developer Intern

June 2024 – August 2024 | Remote

- Developed MERN stack features including responsive UI components, REST API integrations, and client-side data validation workflows
 - Built authentication flows (email/password + social login), form handling systems, and backend services using Node.js and Firebase Auth
 - Contributed to production deployments and feature delivery for multiple client-facing web applications under Agile development practices
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DGTLmart Technologies – Web Developer

October 2024 – November 2025 | Faridabad, India

- Built and maintained production web applications using Next.js, React.js, Node.js, and Vercel serverless architecture, ensuring 99%+ uptime for client projects
 - Delivered full feature ownership from UI design through backend development to production deployment, including authentication systems, Razorpay payment integrations, and admin dashboards
 - Implemented scalable backend services using MongoDB and Firebase, enabling real-time data handling and automated business workflows
 - Managed DNS configurations, SSL certificate provisioning, environment setups, and end-to-end production troubleshooting, reducing deployment issues by 40%+
 - Collaborated directly with clients on requirement gathering, iterative feature delivery, and post-launch support across multiple concurrent projects
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Freelance – Full-Stack Web Developer

December 2025 – Present | Remote

- Designed and delivered end-to-end production web applications for clients across multiple domains including creator economy, edtech, and astrology

- Built and launched CreatorsXchange – a creator marketplace platform serving 500+ active creators with \$100K+ in processed transactions
 - Developed AI-powered products including a Custom CRM with Gemini API integration and an AI English Learning Assistant with real-time tutoring capabilities
 - Delivered The Vaidik Talk App, a full-featured astrology consultation platform with booking, payments, and provider-matching functionality
 - Managed full project lifecycle from client requirement gathering through deployment, maintenance, and iterative feature delivery
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Key Projects

CreatorsXchange – Creator Marketplace Platform (Signature Project)

Next.js | Express.js | MongoDB | Firebase | Razorpay

creatorsxchange.com

- Architected and solo-delivered a full marketplace connecting brands with YouTube/Instagram/LinkedIn creators, currently serving **500+ active creators**
 - Built advanced multi-platform search/filtering, creator profile versioning with admin approval workflows, and a real-time bid/ask negotiation messaging system
 - Integrated Razorpay payment gateway processing **\$100K+ in transactions** with order tracking and analytics dashboards
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Custom AI CRM System

Next.js | Node.js | NestJS | MongoDB | Gemini API

- Designed and developed a feature-rich CRM platform with client tracking, workflow automation, and AI-powered insights using Gemini API
 - Implemented role-based access control (RBAC), admin dashboard, and custom reporting modules supporting complex multi-user business operations
 - Built scalable NestJS backend with modular DTOs/services architecture for maintainability and enterprise-grade extensibility
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AI English Learning Assistant

Next.js | Firebase | Gemini 1.5 Flash API

<https://ai.treecampus.in/>

- Developed a chat-based AI learning platform delivering personalized English tutoring with conversation history and progress tracking
 - Integrated Gemini 1.5 Flash API for real-time AI responses with sub-second latency on a mobile-responsive interface
 - Built with Firebase Firestore for persistent session storage and cross-device learning continuity
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The Vaidik Talk App – Astrology Consultation Platform

Next.js 14 | Node.js | Firebase | MongoDB | Razorpay | Apple In-App Purchase

- Delivered a full-featured AstroTalk-competitor platform with service provider profiles, consultation booking, and provider-matching algorithm
 - Implemented secure user authentication, calendar-integrated booking system, and mobile-first UI optimized for high conversion
 - Integrated Razorpay payment workflows for seamless spiritual consultation transactions
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Advanced Real-Time Messaging System

Next.js | Firebase Firestore | Tailwind CSS

- Built a threaded real-time chat system supporting **50+ concurrent conversations** with typing indicators, status updates, and bid/ask negotiation tracking
 - Designed mobile-responsive chat UI with sidebar navigation for efficient deal management in creator-brand collaborations
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Enterprise Authentication Suite

Next.js | Firebase Auth | Express.js | JWT | MiniOrange

- Developed a reusable full-suite authentication module covering email/password, Google/Facebook OAuth, phone OTP (MiniOrange), and email verification flows
 - Implemented JWT-based session management and RBAC deployed across multiple production projects
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Education

Bachelor of Science – Computer Science

Maharshi Dayanand University (MDU) – DAV Institute of Management, Rohtak

2021 – 2024

Production & Delivery Capabilities

- End-to-end project lifecycle ownership: Discovery → Design → Development → Deployment → Maintenance
 - Performance optimization delivering **40%+ load time improvements** via server-side rendering, code splitting, and MongoDB query tuning
 - Rapid prototyping with AI-assisted development workflows and mobile web app optimization
 - Client communication, agile requirement gathering, and iterative feature delivery across 10+ production projects
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Project Appendix

1. The Vaidik Talk App – Astrology Consultation Platform

Business Goal: AstroTalk competitor for spiritual consultations and service discovery.

My Role: Full-stack lead developer (freelance delivery).

Key Features:

- Service provider profiles and matching algorithm
- Consultation booking system with calendar integration
- Secure user authentication and payment workflows
- Mobile-first responsive UI for high engagement

Tech Stack: Next.js 14, Node.js, Firebase Auth/Firestore, Tailwind CSS, Razorpay

Impact: Complete production platform ready for live astrologer onboarding.

2. AI Agent Studio – Personal Website & Freelance Showcase

aiagentstudio.org

Business Goal: Personal website and professional showcase for AI/web development services.

My Role: Complete development and ongoing maintenance.

Key Features:

- Service portfolio with interactive project demos
- AI agent workflow demonstrations
- Lead generation forms with CRM integration
- Custom animations and modern business UI

Tech Stack: Next.js App Router, Tailwind CSS, React Hooks, Vercel deployment

Impact: Active personal website generating client inquiries and freelance leads.

3. CreatorsXchange – Creator Marketplace (Signature Project)

creatorsxchange.com

Business Goal: Connect brands with YouTube/Instagram/LinkedIn creators.

My Role: Lead full-stack developer (solo delivery).

Key Features:

- Advanced multi-platform creator search/filtering
- Profile versioning with admin approval workflows
- Real-time messaging + bid/ask negotiation system
- Analytics dashboard (views, impressions, performance)
- Razorpay payments (\$100K+ transactions processed)

Tech Stack: Next.js, Express.js, MongoDB, Firebase real-time, Tailwind CSS

Impact: Live platform serving 500+ creators with active brand collaborations.

4. Custom AI CRM System

Business Goal: Intelligent client management platform with AI workflows.

My Role: Full-stack architecture and AI integration.

Key Features:

- Client tracking, task automation, workflow management
- AI-powered insights and client recommendations
- Admin dashboard with role-based access control
- Custom reporting and analytics modules

Tech Stack: Next.js, Node.js/NestJS, MongoDB, Gemini API integration

Impact: Scalable CRM handling complex business processes.

5. AI English Learning Assistant

Business Goal: Interactive English learning through AI conversations.

My Role: Complete product development.

Key Features:

- Chat-based learning with conversation history
- Personalized feedback using Gemini 1.5 Flash API
- Progress tracking and learning analytics
- Mobile-responsive learning interface

Tech Stack: Next.js, Firebase (Auth/Firestore), Gemini API

Impact: Live learning platform with real-time AI responses.

6. Advanced Messaging System (Collaboration Chat)

Business Goal: Real-time negotiation chat for creator-brand deals.

My Role: Full-stack real-time systems development.

Key Features:

- Threaded conversations with sidebar navigation
- Bid/ask price negotiation with agreement tracking
- Real-time status updates and typing indicators
- Mobile-responsive chat UI

Tech Stack: Next.js, Firebase Firestore real-time, Tailwind CSS

Impact: Production chat system supporting 50+ concurrent conversations.

7. Mini E-commerce Platform

Business Goal: Modern shopping experience with full payment flow.

My Role: End-to-end e-commerce development.

Key Features:

- Product catalog with admin management
- Shopping cart and checkout workflows
- Razorpay payment gateway integration
- Order tracking and customer dashboard

Tech Stack: Next.js, MongoDB, Firebase Auth, Razorpay

Impact: Complete e-commerce solution with live payment processing.

8. Authentication System (Full Suite)

Business Goal: Enterprise-grade authentication for web applications.

My Role: Security and auth system architecture.

Key Features:

- Email/password + social login (Google, Facebook)
- Phone OTP verification with MiniOrange integration
- Forgot password + email verification flows
- Role-based access control implementation

Tech Stack: Next.js, Firebase Auth, Express.js, JWT tokens

Impact: Reusable auth module deployed across multiple projects.

9. OTP Service Module (NestJS)

Business Goal: Scalable OTP verification for enterprise applications.

My Role: Backend module development.

Key Features:

- MiniOrange OTP API integration
- Modular NestJS architecture with DTOs/services
- Environment-based configuration management
- Rate limiting and security best practices

Tech Stack: NestJS, TypeScript, MiniOrange API

Impact: Production-ready OTP service for high-security applications.

10. Dynamic Admin Panel + Frontend Control

Business Goal: Real-time content management for mobile app integration.

My Role: Admin system and frontend integration.

Key Features:

- Dynamic banner and navigation control
- Admin panel for real-time content updates
- iFrame-compatible frontend control page
- Responsive design for mobile app embedding

Tech Stack: Next.js, MongoDB, Tailwind CSS

Impact: Live admin system controlling mobile app content.

11. Google Review QR Generator

Business Goal: Printable business pages with review QR codes.

My Role: Complete utility development.

Key Features:

- Business profile display with QR code generation
- PDF download functionality
- Customizable business information templates
- Print-optimized responsive layout

Tech Stack: Next.js, QR code generation library, PDF export

Impact: Active tool generating 100+ business review pages.

12. Server Optimization APIs + YouTube Creator Forms

Business Goal: Performance tools + complex creator data collection.

My Role: API development and form systems.

Key Features:

- PageSpeed analysis and performance APIs
- Advanced YouTube creator data collection forms
- Proxy-fetch for safe API calls + email automation

- Structured analytics-ready data schemas

Tech Stack: Express.js (Vercel serverless), React.js, MongoDB

Impact: Production APIs supporting performance monitoring and creator onboarding.