

# Ridam Agrawal

Full-Stack Developer | Backend & AI Engineer

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## SUMMARY

Full-stack developer with a strong backend and system-design foundation, now focused on building AI-powered products. Experienced in shipping production SaaS platforms, multi-agent AI systems, and large-scale user systems (350K+ users) end to end, from architecture and APIs to deployment.

## EXPERIENCE

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### Software Developer, MoonPhase Solutions

Jun 2026 - Present

*Indore, India (Hybrid)*

- Designed and shipped GEOai end to end, an AI-powered platform for Generative Engine Optimization (GEO) and SEO, owning the full stack across frontend, backend, and integrations.
- Engineered a 20+ agent AI pipeline that automates keyword research, content generation, SEO/GEO optimization, and publishing.
- Integrated 3 LLM providers (Claude, OpenAI, Gemini) with a Pinecone vector RAG layer, routing tasks dynamically to balance quality, speed, and cost.
- Built an autonomous weekly loop that syncs Google Search Console data and rewrites underperforming content automatically to recover rankings.
- Developed the Next.js 14 frontend across 8+ dashboard modules; secured multi-tenant access (NextAuth, JWT, RBAC) on PostgreSQL, Redis, and BullMQ.

### Software Developer Intern, MoonPhase Solutions

Mar 2026 - May 2026

*Indore, India (Hybrid)*

- Architected the backend for the official MasterChef platform using Node.js, Express, and MongoDB.
- Created secure REST APIs across 6 core domains: authentication, media, recipes, challenges, videos, and leaderboards.
- Built a React and TypeScript admin panel covering user management, content moderation, and platform operations.
- Migrated 350,000+ user records to the new system with high data integrity and zero downtime.
- Secured the platform with JWT authentication and role-based access control (RBAC), and integrated AWS S3, AWS SES, and Firebase.
- Automated a lead pipeline that ingested Google Forms responses into the database and triggered marketing emails to drive conversions.

### Freelance Full-Stack Developer, Black Raven Esports

Jan 2026 - Feb 2026

*Remote*

- Independently delivered a full-stack platform for a 30,000+ member esports community, from architecture to deployment.
- Engineered Discord and Google OAuth login (Passport) with JWT sessions and cookie-based tokens.
- Created 3 core modules (team management, tournaments, and scrimms) with join-request approval workflows.
- Modeled scalable MongoDB schemas with Mongoose and added an admin dashboard with RBAC, audit logging, and a ban system.

## PROJECTS

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### EasInvy, Multi-Tenant Inventory & Billing SaaS

Dec 2025 - Mar 2026

*Next.js, React, TypeScript, Node.js, Express, MongoDB, Mongoose*

- Launched a production multi-tenant SaaS for inventory, billing, and shop operations, with isolated environments per tenant.
- Secured the platform with HTTP-only JWT cookies, bcrypt password hashing, and owner/staff RBAC.
- Developed inventory (CRUD, barcode generation, dynamic fields, low-stock alerts) and end-to-end billing (invoices, automated stock deduction, credit tracking, returns).
- Deployed configurable PDF invoices, WhatsApp integration, and 5+ operational modules (suppliers, customers, sales staff, attendance) on Vercel and Railway.

## SKILLS

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**Languages:** TypeScript, JavaScript, SQL

**Backend:** Node.js, Express.js, REST APIs, BullMQ, Redis

**Frontend:** React.js, Next.js, Tailwind CSS

**Databases:** MongoDB, Mongoose, PostgreSQL, Pinecone (Vector DB)

**AI / ML:** Generative AI, Large Language Models (LLM), Prompt Engineering, RAG, AI Agents (Claude, OpenAI, Gemini)

**Cloud & Tools:** AWS (S3, SES), Firebase, Vercel, Railway, Git, LangSmith

**Concepts:** System Design, Multi-Tenant Architecture, OAuth 2.0, JWT, RBAC, SaaS

## EDUCATION

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### Bachelor of Business Administration (BBA)

2023 - 2026

*International Institute of Professional Studies (IIPS), DAVV, Indore*