

SANDEEP SHARMA

Full Stack Developer & DevOps Engineer

Mohali, India, 2131A Sector 66 Mohali, Punjab, India

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WEBSITES AND SOCIAL LINKS

PrepVia: <https://prepvia.com>

Geaux Fishing: <https://geaux.fish/>

Tutify: <https://tutify.com.sg/>

DSOL Admin: dsol-admin.dsbitteam.in

Noodle Factory: <https://www.noodlefactory.ai/>

DinnerTwine: <https://www.dinnertwine.com/>

MakeMyAISite: <https://www.makemyaisite.com/>

LinkedIn: [linkedin.com/in/sandeep-sharma](https://www.linkedin.com/in/sandeep-sharma)

SUMMARY

Experienced Full Stack Developer and DevOps Engineer specializing in the MERN stack (MongoDB, Express.js, React.js, Node.js) with strong expertise in cloud infrastructure, CI/CD automation, AI-powered product development, and enterprise-grade security & compliance. Delivered 7+ production-grade platforms across EdTech, FoodTech, SaaS, e-commerce logistics, Agriculture, and consumer app verticals — owning the full lifecycle from architecture and frontend to backend APIs, marketplace integrations, security compliance, and DevOps. Skilled at building scalable, secure, cost-optimized systems with a drive for continuous learning and collaboration.

EXPERIENCE

Full Stack Developer & DevOps Engineer

04/2024 – Present

Designing Solutions, Mohali, India

PrepVia (prepvia.com / [app](#) / [staging](#)) — Enterprise-grade multi-marketplace logistics and product preparation platform for Amazon FBA/FBM, eBay, and Shopify sellers. Built as a pnpm monorepo (Next.js 15 + Express 5 + tRPC 11) with 100+ dashboard pages, 58+ Prisma/MongoDB models, and 46 tRPC routers. Integrated 6 third-party APIs (Amazon SP-API, eBay, Shopify, Stripe, QuickBooks, HubSpot) with dedicated OAuth flows, order sync services, and webhook handlers. Core features include inventory/ASIN management with margin calculator, pallet builder, subscription billing, referral program, university/training system, and AI-powered data pipeline (SQS + OpenRouter AI + Tesseract OCR). Solely designed and deployed 16+ production-grade security services — custom DetectionService & SecurityResponseService for real-time threat detection/blocking, dual WAF (Cloudflare + AWS), AWS Macie DLP, zero long-term PII storage (≤20-day auto-purge), and automated SAST/DAST via Lambda + EventBridge. Passed the Amazon SP-API PRE.2.1 Security Questionnaire with full evidence. Achieved zero open vulnerabilities on OWASP-aligned grey-box pentest by CyberSecurityArm (OSCP+/CEH) — all 8 findings remediated within 24 hours (March 2026). Keyless CI/CD via GitHub Actions OIDC. Entire AWS stack runs at \$66.69/month.

Noodle Factory — Award-winning AI-powered teaching and learning assistant platform trusted by higher education institutions, K-12 schools, and corporate training providers globally. Built and scaled core features: AI tutor creation from educator-uploaded content, automated quiz and assessment generation, AI grading with personalised feedback loops, role-play simulations, learner progress dashboards, LMS integrations (Blackboard, Canvas), and multilingual support across 110+ languages. Managed full-stack (React.js + Node.js/Express) and AWS cloud infrastructure with Docker deployments and GitHub Actions CI/CD pipelines.

Geaux Fishing App — AI-driven fishing companion platform for Louisiana and Gulf Coast anglers. Developed: real-time weather and water condition feeds, GPS-based hotspot discovery, species encyclopedia covering 250+ fish species, AI-powered catch predictions, catch logging with photo uploads, region-specific fishing regulations database, and social angler community. Integrated third-party weather, map, and NOAA data services.

DinnerTwine (/ [Admin](#) / [Referral](#)) — Full-stack development across three interconnected platforms. Implemented subscription management, user authentication, payment integrations, referral tracking with commission logic, and admin tooling.

Tutify (/ [App](#)) — Singapore-based tutoring marketplace. Developed tutor profiles, smart search, session booking, payment processing, and review/rating systems across the public site and full student/tutor app.

MakeMyAISite (/ [App](#)) — AI-powered website builder SaaS. Built the landing site and full app dashboard with Claude/OpenAI API integrations, template management, subscription billing, and real-time AI generation flows.

Designing Solutions Admin Portal ([dsol-admin](#)) — Internal company dashboard for project/client management, resource allocation, and team workflow tracking.

DevOps across all projects: Docker containerisation, AWS (EC2, S3, Route 53, Lambda, CloudFront, SES, SQS), Nginx reverse-proxy, Cloudflare WAF, environment/secret management, and automated CI/CD via GitHub Actions.

Full Stack Developer

12/2023 – 03/2024

Contriverz, Mohali, India

newtracebale.com — Supply-chain traceability platform for the cotton industry connecting farmers, processors, and global brands across multiple production stages (farming → ginning → spinning → weaving → garment). Built role-based access control, interactive data visualisations (graphs, charts, maps), PDF/Excel reports, and end-to-end module management for a complex multi-stakeholder structure.

ricetracebale.com — Rice industry traceability platform managing the full supply chain from farmer to brand. Implemented farmer, mandi, mill, and brand interaction modules, geospatial maps, role-based dashboards, and comprehensive reporting.

ReactJS Developer

08/2022 – 11/2023

Codesoftic Tech Pvt Ltd, Mohali, India

Internship Program Management System — Sophisticated 5-module web app (Student, Company, College, Mentor, Admin) for direct student recruitment from educational institutions. Automated the full certification and college commission process.

Doctor Appointment Scheduling Platform — Intuitive system for booking appointments, receiving confirmations, accessing medication details, and conducting consultations.

Service Provider Portal — Robust portal with student profile management and secure login.

Payment Management System — Cutting-edge dashboard for transaction monitoring, wallet data display, and third-party payment API integration.

Software Developer Trainee

01/2022 – 06/2022

Excellence Technology, Mohali, India

E-Commerce Website — Simulated platform with product listings, shopping cart, and multi-step checkout using HTML, CSS, and JavaScript.

Netflix Clone — Faithful reproduction of UI, browsing, thumbnails, and user authentication.

JavaScript Logic Challenges — Algorithmic problem-solving covering data manipulation, sorting, and mathematical computations.

EDUCATION

Master of Political Science

2020 – 2022

Maharaja Ganga Singh University (MGSU) Bikaner, India

Bachelor of Arts

2018 – 2020

Maharaja Ganga Singh University (MGSU) Bikaner, India

SKILLS

• React 19 / Next.js 15 • JavaScript (ES6+) • MongoDB / MySQL / PostgreSQL • REST APIs / GraphQL • Docker	• Node.js / Express 5 • TypeScript • Tailwind CSS / shadcn/ui • Amazon SP-API / eBay / Shopify • AWS (EC2, S3, Lambda, KMS, CloudFront, Amplify, SES, SQS, Macie, Inspector)	• tRPC 11 • Prisma ORM • HTML5 / CSS3 / SCSS • Stripe / QuickBooks / HubSpot • CI/CD (GitHub Actions + OIDC)
• Nginx / Cloudflare WAF / AWS WAF • OpenRouter AI / Tesseract OCR • Zustand / TanStack Table • Postman / VS Code	• Sentry / PostHog / Winston • OWASP / Semgrep / OWASP ZAP • Git / GitHub / Bitbucket	• OpenAI API / Claude API • better-auth / MFA / TOTP • Zod / Vitest / pnpm

ACHIEVEMENTS

- Delivered 7+ production-grade platforms end-to-end across EdTech, FoodTech, SaaS, e-commerce logistics, Agriculture, and consumer app verticals.
- Solely passed the Amazon SP-API Developer Security Questionnaire (PRE.2.1) implementing all required enterprise-grade security controls as a single engineer.
- Achieved zero open vulnerabilities on OWASP-aligned grey-box penetration test — remediated all 8 findings (including 1 High IDOR CVSS 8.2) within 24 hours.
- Led a cross-functional team of developers, designers, and product managers to ship complex web applications on time and within budget.
- Architected a production-grade AWS stack running at just \$66.69/month serving enterprise-grade multi-marketplace logistics platform.

- Successfully architected and deployed DevOps infrastructure (Docker, AWS, CI/CD pipelines, OIDC keyless deployments) across multiple simultaneous live products.
- Implemented AI integrations (OpenAI API, Anthropic Claude API, OpenRouter AI) in production SaaS products serving global users.
- Contributed to several open-source React libraries, enhancing accessibility and rendering performance.

STRENGTHS

Problem-Solving Skills	Team Player	Attention to Detail
Solved complex coding challenges using React and Node.js, resulting in measurably faster application performance.	Collaborated with cross-functional teams of developers, designers, and product managers to deliver high-quality products.	Ensured code quality and accuracy through rigorous testing, code reviews, and systematic QA processes.