

GAGAN SINGH

Software Engineer

India

GitHub: github.com/higgn | Portfolio: ishowon.com

SUMMARY

Software engineer who ships production software for paying clients. Built and deployed five commercial web platforms for UK businesses, published a Shopify app now running on 50+ stores, and maintain a portfolio of open-source tools. Microsoft Azure AI certified.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, HTML, CSS

Frameworks: Next.js 15, React 19, Node.js, Express.js, NestJS, Electron

Databases: MongoDB, PostgreSQL, Azure SQL, Redis

Cloud & DevOps: AWS (Bedrock, EC2), Azure, Vercel, Docker, Nginx, PM2, GitHub Actions, CI/CD

Tools & APIs: Shopify API, Microsoft Graph API, Google Gemini, Prisma, BullMQ, Sharp, Tailwind CSS, Zod

EXPERIENCE

Freelance Software Engineer | Remote (UK & Global Clients) | Jan 2025 – Present

- Built and published SEO Image Optimizer on the Shopify App Store — adopted by 50+ stores in the first month, generating recurring revenue for the client. Stack: Node.js, Sharp, BullMQ, Redis, Google Gemini, MongoDB.
- Developed a full-stack energy brokerage platform with agent onboarding, digital contract signing, and commission tracking — serving 100+ businesses with £2.3M+ in documented client savings.
- Built a university consultancy platform connecting 500+ international students with 10+ UK partner institutions — includes admin dashboard, automated email notifications, and reCAPTCHA-protected enquiry forms.
- Delivered a custom diamond ring e-commerce platform with live inventory API, 360° diamond videos, and a Gemini-powered shopping assistant.
- Architected a childcare management system with digital signatures, automated PDF generation, and email notifications via Microsoft Graph API — serving 200+ families.

Master Trainer, Cybersecurity & AI | CDAC India (MeitY) | Feb 2025 – Feb 2026

Led cybersecurity training for government officials on risk assessment and digital hygiene protocols.

Computer Assistant | Panchayati Raj Dept, Govt of UP | Sep 2021 – 2025

Managed digitization of legacy paper records to searchable digital systems while completing MCA degree.

SELECTED PROJECTS

SEO Image Optimizer — apps.shopify.com/seoai

Production Shopify app: image compression (Sharp), AI alt-text generation (Gemini), background job queue (BullMQ/Redis), credit-based billing, auto-optimizer scheduling. 50+ stores in first month.

CopyNeko — Chrome Web Store & Edge Add-ons

Cross-device cloud clipboard browser extension. Right-click to save text, access from any device. Private by default with unique access codes.

Pimo Notes — github.com/higgn/pimo-popup-notes

Open-source always-on-top popup note editor for Windows. Built with Electron. Auto-save, drag-and-drop images, multi-page notes, NSIS installer.

EDUCATION

Master of Computer Applications (MCA) — Dr. A.P.J. Abdul Kalam Technical University, 2025

Bachelor of Computer Applications (BCA) — Dr. Bhim Rao Ambedkar University, 2021

CERTIFICATIONS

Microsoft Azure AI Engineer Associate (AI-102) · GitHub Copilot Certified · 12 AWS Educate Badges