Sadaqat Rasool

Full-Stack Software Engineer | AI Integrations | MERN • Next.js • TypeScript • Python

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Professional Summary

Full-stack software engineer with **2.5+ years** of freelance and contract experience building **web apps, SaaS and AI features** with React, Next.js, Node.js, TypeScript and Python. Built **MyBuildHub** for **Pembridge (Sydney)** in a two-developer team, and **ForgeAI**, my own AI website builder. Specialised in **AI features that answer only from real data**, backed by automated tests. Clients in the **US, UK, Ireland, Belgium, the Netherlands and Australia**; open to remote work across US, UK and EU hours.

Technical Skills

Languages: TypeScript, JavaScript (ES6+), Python, SQL, HTML5, CSS3
Frontend: React.js, Next.js, Tailwind CSS, Material UI, Responsive / Mobile-first UI
Backend & Data: Node.js, Express.js, REST APIs, MongoDB, Supabase (PostgreSQL), MySQL
AI & LLMs: Google Gemini API, LLM APIs, AI Chatbots & Product Advisors, Multi-step AI Workflows, Output Validation
Security & Testing: JWT Auth, Row-Level Security, Zod Validation, Vitest, Playwright
Python & Data: Automation & Scripting, Pandas, NumPy, Matplotlib
Cloud & Tools: Vercel, Netlify, Microsoft Azure, Git/GitHub, Shopify, Craft CMS, Figma, Claude Code, Cursor

Work Experience

MERN Stack Developer (Contract) **Feb 2026 – May 2026**
Pembridge – MyBuildHub *Sydney, Australia (Remote)*

- Built **MyBuildHub**, a construction project-management SaaS, from scratch with one other developer (MERN stack).
- Owned the **Timeline module** end to end: Gantt chart with drag-and-drop, all 4 dependency types and a working calendar, so a delay on one task reschedules every linked task automatically.
- Built role-based access, progress roll-up, filters and PDF export, from approved designs through API and database.

Freelance Full-Stack Developer (part-time, project-based) **Feb 2024 – Present**
Fiverr & direct clients *Remote*

- Delivered websites, web apps, API integrations and Python automation for clients in the US, UK, Ireland and Belgium, including repeat clients; one client publicly recommended my landing-page work on LinkedIn.
- Amsterdam agency (**Craft CMS**): fixed SEO, speed, accessibility and security; layout shift **0.47** → **0**, Accessibility **91** → **98**.
- Contributed an auto-updating **leaderboard** to HariKube's open-source Kubernetes Performance Challenge, merged by their CTO.

Management Trainee Officer – Software Development **Aug 2025 – Jan 2026**
Challenge Group Pakistan *Lahore, Pakistan*

- Analysed cross-department workflows, gathered requirements and designed office automation solutions with the dev team.

Software Development Intern **Aug 2025**
XeuroTech *Multan, Pakistan*

- Built React, Node.js, Express and MongoDB features and fixed bugs on client projects, using GitHub, Bordio and Slack.

Projects

ForgeAI | *AI Website Builder – Next.js 15, React 19, TypeScript, Supabase* Live demo **Sep 2026 – Present**

- Turns a one-sentence business description into a complete multi-page website through a **multi-step AI pipeline** (questions, web research, page planning, content, images), validating each step's output.
- Chat editing, version history, one-click publish; Row-Level Security, API ownership checks and **161 automated tests**.

AI Product Advisor | *Dutch Oil & Additives Webshop – Next.js, Gemini API, Shopify* Live demo **Oct 2026**

- Customers describe a vehicle problem in Dutch or English; the advisor recommends only matching products from the shop's **real catalogue**, with add-to-cart into the live store.
- **100% correct on a 45-question test set** across 3 runs; first product card in 0.4 s; owner view shows unmet demand.

Loomsight | *Quality-Control Portal for Textile Manufacturing – Next.js, TypeScript* Live demo **Oct 2026**

- Replaces QC spreadsheets: buyer view, phone-first inspector app in **English & Urdu**, AQL results, supplier scorecards.

Farm Management System | *MERN Stack + Google Gemini AI* GitHub **Oct 2024 – Jun 2025**

- Crop, livestock and multi-store resource platform with reminders and PDF reports; **AI chatbot** answers in English and Urdu from the farm's own stored data; JWT auth and email verification.

Education

Namal University **Nov 2021 – Jun 2025**
Bachelor of Science in Computer Science *Mianwali, Pakistan*

- Courses: Data Structures, Algorithms, Databases, Software Engineering, Web Application Development, Data Analysis.