

Muhammad Asad Khan

Full Stack Web Developer | Frontend AI Engineer

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Full stack engineer with over five years of experience building robust, scalable web applications using React, Next.js, TypeScript, PHP (Laravel, CodeIgniter), and Vue.js. My recent focus is AI engineering: at Agentsy, an AI platform for real-estate professionals, I spent two years building production AI features, including the front end of its AI assistant, streaming LLM experiences with the Vercel AI SDK and Claude and OpenAI models, and an AI Image Studio for property photo generation and editing. Earlier, I delivered enterprise systems end to end, including approval workflow platforms, ERPs, CRM systems, e-commerce marketplaces, and auction platforms, with deep experience in third-party integrations such as Stripe, payment gateways, and cloud services including Firebase and Supabase. Bridging front-end and back-end development is central to my work, pairing efficient server-side logic with responsive, user-centric interfaces.

Academic Summary:

Bachelor in Computer Software Engineering

Tech Stack/ Skills:

- **Languages:** JavaScript, TypeScript, PHP, Python
- **AI/LLM:** Claude (Anthropic) & OpenAI APIs, Vercel AI SDK, streaming AI experiences, prompt engineering, image generation models, multi-agent & agentic workflows, generative web UIs
- **Frontend:** React, Next.js, Vue.js, Redux/RTK, TanStack Query (React Query), Radix UI, Tailwind CSS, Material UI, Bootstrap, Plasmic Studio, Figma
- **Backend:** Laravel, CodeIgniter, Livewire, Django, REST APIs, Stripe & payment gateway integrations
- **Cloud & Data:** MySQL, PostgreSQL, Convex DB, Firebase (Firestore, FCM), Google Cloud Functions, Docker, Vercel, Webpack, PostHog
- **Practices:** Startup environments, Agile/Scrum, Git & GitHub, JIRA, Notion, Slack

Work Summary:

Frontend AI Engineer – Agentsy (Remote)

Duration: 06/2024 - 06/2026

Outline:

Agentsy is an AI platform for real-estate professionals that turns voice notes, text, files, and images into drafted actions such as emails, tasks, documents, and calendar events, organized under properties and folders.

Responsibilities and Achievements:

- Built the front end of Agentsy's AI assistant in Next.js, React, and TypeScript, including the Unified Design Home page shipped to production in June 2026: a single place spanning chat, capture-to-actions, image editing, and voice notes, replacing the previous per-agent chat pages.
- Led prototyping and development of the AI Image Studio, powering property photo generation and editing, virtual styling, floor-plan editing, and brand overlays with image generation models.

- Integrated multiple LLMs using a unified interface including Claude and OpenAI into production features using the Vercel AI SDK, and implemented streaming AI experiences with real-time WebSocket updates for responsive draft generation.
- Applied prompt engineering to improve the quality and reliability of AI outputs across assistant and image features.
- Translated Figma designs into high-quality production UI (Tailwind CSS, Radix UI), owned key front-end features from concept to delivery, and implemented PostHog analytics to support product decision-making.

Full Stack Developer – Xad Technologies (PVT) Ltd., Dubai

Duration: 02/2024 - 08/2024

Outline:

Dubai-based technology company delivering enterprise software and IT services.

Responsibilities and Achievements:

- Built XAD Approvals, an automated approval workflow system that digitized multi-stage leave and expense processes across three departments (HR, accounting, and administration), with configurable approval stages, role-based permissions, real-time notifications, and a full audit trail. (Laravel, MySQL).
- Developed five feature areas of the Xad project management platform (CodeIgniter 4, MySQL): task dependencies and recurring-task automation, time tracking, multi-currency invoicing with automated recurring invoices, Stripe subscription billing with Google Drive integration, and a personalized client portal serving thousands of active clients.
- Conducted targeted R&D on CRM capabilities and third-party integrations, and built responsive interfaces with React, Bootstrap, and Material UI.

Full Stack Developer – Infinite Group, Lahore

Duration: 08/2022 - 10/2023

Outline:

Lahore-based software house building ERP and business platforms for local and international clients.

Responsibilities and Achievements:

- Developed Infinite ERP, a multi-industry ERP that lets a HR department manage multiple businesses concurrently, with one-click role and department administration (Laravel, React, AWS).
- Structured server-side logic, optimized database interactions, and delivered third-party integrations across client projects.
- Designed user-centric, responsive interfaces with React, Bootstrap, and Material UI.

Full Stack Web Developer – IG Tech Services (PVT) Ltd., Islamabad

Duration: 07/2020 - 08/2022

Outline:

Islamabad-based software services company delivering web applications for international clients.

Responsibilities and Achievements:

- Built and shipped 6+ production web applications in Core PHP and Laravel, spanning multi-language auction platforms, reservation systems, e-commerce, and multi-vendor marketplaces.

- Integrated third-party services and APIs including payment gateways, social media integrations, and cloud storage solutions.
- Optimized application performance and applied security best practices, collaborating with cross-functional teams to align projects with business goals.

Frontend Web Developer (Remote) – Chopdawg, Philadelphia, USA

Duration: 07/2021 - 06/2022

Outline:

US product studio building web and mobile applications for startups.

Responsibilities and Achievements:

- Developed dynamic, responsive user interfaces in React with reusable components and Hooks-based state management.
- Interfaced with APIs for real-time data and optimized performance and maintainability using React tooling.
- Collaborated remotely with cross-disciplinary US teams over a 12-month engagement to deliver a cohesive user experience.

Additional Projects:

- **2 Minutes Psychology:** Virtual therapy platform with real-time chat therapy, psychological assessments, a community forum, and CMS-driven content (Laravel, Next.js, Tailwind CSS, Stripe).
- **Company House (companyhouse.id):** Company-transparency platform aggregating governmental and news data into rich company profiles for emerging markets (Laravel, Livewire, Stripe, SEO).
- **Baladi Express:** Qatar online shopping platform (React, Redux, Material UI, Laravel).
- **Horse24 & Globalmotorshub:** Multi-language auction platforms for horses and cars, running multiple subdomain sites on a shared database (Laravel, MySQL).
- **Sharc:** Reservations management for boats, trips, flights, and hotels, with user-to-user chat and subscription payments (CodeIgniter).
- **Genesis:** Multi-vendor marketplace connecting customers, business owners, and platform admins, with cart and checkout flows (Laravel, MySQL).