

M UMAIR KHAN

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Summary

I started programming in 2019 with C and C++, then moved into web development through Meta's training in JavaScript, React, and UI design. I genuinely enjoy building things and automating workflows with AI, and I've worked on real SaaS products that use models like OpenAI, Gemini, and Claude, along with real-time systems. I led a 6-person team on BookNest, which made it to the top 11 at the HBL P@SHA ICT Awards 2025, and at Strug Inc. I helped cut feature delivery time by 85% by improving how we used AI in our workflow.

Technical Skills

Frontend: React, Next.js, Svelte, TypeScript, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, Bootstrap, shadcn/ui, Redux, Zustand, Context API, TanStack Query

Backend & Databases: Node.js, Express.js, PostgreSQL, MongoDB, MySQL, Redis, Firebase, Supabase, Mongoose

APIs & Integrations: REST APIs, GraphQL, Auth.js / NextAuth, OpenAI, Anthropic Claude, Gemini, Sanity, OAuth, JWT

DevOps & Tools: Docker, AWS, GitHub Actions, Vercel, Webpack, Vite, Git, CI/CD, n8n, Socket.io

Testing & Optimization: Jest, Cypress, Performance Optimization, Technical SEO, Cross-Browser Compatibility, Zod

Design & Product Tools: Figma, Adobe XD

Professional Experience

Full-Stack Developer | Strug Inc. | [Toronto, Canada](#)

April 2025 – December 2025

- Took over a project that had been stuck for two years and restarted it with a clear Agile workflow.
- Led a 3-person team to build the Super App from scratch.
- Delivered the MVP in 2 weeks instead of the planned 3 months.
- Focused only on core features and used AI tools to speed up development.
- Built a frontend with 80+ routes across the platform.
- Combined Ecommerce, Rideshare, Food Delivery, and Property Hosting in one system.
- Developed custom dashboards, digital wallets, and order history features.

Frontend Developer Intern | Eziline Software House | [Rawalpindi, Pakistan](#)

June 2023 – August 2023

- Built a full real estate website with an AI chatbot that answers property questions automatically.
- Reduced agent workload by handling common queries through the chatbot.
- Cut weekly support tickets by 40% (from 120 to 72), based on Intercom data over three months.
- Developed responsive React components for property listings, search filters, and contact forms.

Projects

Web Applications

BookNest – AI Publishing Platform | Air University Incubator Project

Stack: Next.js 16, React, TypeScript, MongoDB, OpenAI/Gemini, NextAuth.js, Clouinary

- Led a 6-person team to build an AI-powered publishing platform from an incubator-backed project.
- Built features for automated book creation, niche research, and KDP optimization.
- Ranked among the top 11 projects at the HBL P@SHA ICT Awards 2025.
- Selected from over 500 submissions.

Cognix – AI DevOps & Code Intelligence Platform – [Live Demo](#)

Final Year Project

Stack: Next.js 16, TypeScript, MongoDB, Redis, BullMQ, Dockerode, Socket.io, OpenAI, Octokit

- Built a platform for code analysis, commit review, build tracking, testing, and security checks.
- Added ticket management, team roles, roadmap tracking, and real-time collaboration.
- Linked commits to tasks for automatic progress tracking and report generation.
- Made progress visible to developers, managers, and clients without manual updates.
- Enabled inline comments and live updates for distributed teams so they can collaborate without leaving the platform.

Resat – ATS-Optimized Resume Builder – [Live Demo](#)

Stack: Next.js 16, OpenAI, Google Gemini, Anthropic Claude, LaTeX, Docker, TeXLive, CodeMirror

- Developed an AI resume analyzer with real-time ATS scoring and keyword extraction.
- Connected and managed three AI models using the Vercel AI SDK.
- Built a PDF generation pipeline using LaTeX and TeXLive inside Docker.
- Fixed cross-OS font issues to ensure consistent formatting.
- Enabled professional PDF exports across multiple templates.

Cortex – Headless CMS for External Databases – [Live Demo](#)

Stack: React 19, Node.js, Express v5, TypeScript, JWT, Zod, PostgreSQL, TanStack Query, DnD Kit

- Built a zero-storage CMS that connects directly to PostgreSQL, MongoDB, and MySQL with no vendor lock-in.
- Secured with JWT authentication, bcrypt, Helmet.js, CORS, and rate limiting.
- Enforced schema validation using Zod.
- Open-source and self-deployable for companies.
- Let teams publish SEO-optimized posts through a UI without building a separate dashboard.
- Supports multiple databases and allows switching between them easily.

Mobile Applications

Fluentry – Adaptive Language Learning App

Stack: Expo, React Native, TypeScript, Supabase, Zustand, TanStack Query, Reanimated

- Built a custom spaced repetition system for 16,000+ words across 8 languages.
- Designed it for long-term retention with structured scheduling.
- Created an offline-first progress tracker with background sync and row-level security.
- Stored and managed over 10,000-word records per user securely.
- Added gamification with XP tracking, streaks, and analytics-based feedback.

KOGN – AI Native Educational Companion

Stack: Expo, React Native, TypeScript, Vercel AI SDK

- Integrated Claude, GPT-4, and Gemini with streaming responses.
- Added smart mode switching so users can choose between simple explanations or analogy-based explanations through separate tabs with streamed responses.
- Built conversational learning flows with saved chat history.
- Automatically generated AI flashcards organized by subject and topic.

Subiq – AI Powered Subscription Manager

Stack: Expo, React Native, Supabase, TanStack Query, OpenRouter AI SDK

- Built centralized subscription tracking with renewal reminders and billing projections.
- Supported tracking for 100+ subscription categories.
- Developed an AI-based recommendation system to analyze spending habits.
- Suggested cost-saving strategies based on user data.

Education

Bachelor of Science in Computer Science

Sept 2022 – 2026

Air University, Islamabad, Pakistan (3.01/4.0 GPA)

- **Final Year Project:** Cognix - AI-powered integrated software quality, task management, and collaboration platform

Higher Secondary Certificate (ICS – Computer Science)

May 2020 - Apr 2022

Fazaia Inter College, Nur Khan, Rawalpindi

- Built a strong foundation in programming and web technologies through early mentorship

Certifications

Web Development (META): Front-End Development, JavaScript, React, Version Control, HTML/CSS, and UX/UI Design

Digital Marketing Certification (Google): Digital Marketing fundamentals, SEO, Email Marketing, Analytics, and E-commerce management.

SEO Certification (DigiSkills): On-Page, Off-Page, and Technical SEO with keyword research, backlinking, and optimization.

Search and AI (Huawei – Indus AI Summit): Search technologies and Artificial Intelligence applications.

Additional

Languages: English (Fluent), Urdu (Native)

Awards & Activities: Project Lead - C++ Bootcamp; Member - Microsoft Learn Student Ambassadors (Think Tank Team)