



— PORTFOLIO & RESUME —

Ali Abbas Warraich

Software Engineer

Full Stack Developer

AI Developer

Founder, AA Developers

Creative Technologist

Self-taught engineer building full-stack products and AI-powered tools — currently designing, shipping, and learning at the intersection of software craftsmanship and artificial intelligence.

01 — ABOUT —

Professional Summary

I started writing code the way most engineers of my generation did: alone, curious, and armed with nothing but documentation, forums, and a stubborn refusal to accept "it doesn't work" as a final answer. That instinct — to open the hood, understand the mechanism, and rebuild it better — has shaped everything I've done since.

I am a **self-taught software engineer** and the founder of **AA Developers**, where I design and build full-stack web applications for real clients solving real problems. My work spans the entire product lifecycle: translating a client's vague idea into a technical specification, architecting the backend, building a responsive and accessible interface, and shipping something that holds up under real-world use.

Full-stack development is my foundation, but **artificial intelligence** is where I spend most of my curiosity today. I'm drawn to the intersection of large language models and everyday software — how a well-designed prompt or a thoughtful integration can turn a static tool into something that reasons, adapts, and genuinely helps people. I approach AI not as a

buzzword to bolt onto a resume, but as a discipline: understanding its limitations as closely as its capabilities, and building accordingly.

What defines my approach to engineering is a bias toward finishing. It's easy to start ambitious projects; it's harder to carry them through client feedback, debugging sessions, and the unglamorous work of polish. I've learned to sit with problems long enough to actually solve them, and to treat every deployed project as a lesson for the next one.

I'm currently balancing this work with my **IB studies**, using the discipline of a demanding academic curriculum to sharpen how I think, plan, and manage time under pressure. My long-term goal is to study computer science formally, deepen my expertise in AI systems, and eventually build software that operates at a scale far beyond what one self-taught developer can build alone — and I'm looking for environments, academic and professional, that will challenge me to grow faster than I could on my own.

02 — JOURNEY —

How I Got Here

A working timeline, not a straight line.

Year 1

First lines of code

Self-taught first steps into HTML, CSS, and JavaScript — learning by building small, imperfect things.

Year 1-2

First independent projects

Moved past tutorials into self-directed projects, learning by breaking things and fixing them without a guide.

Year 2

Full-stack foundations

Expanded into React, Node.js, and backend and database development to build complete, working applications.

Year 2-3

Founded AA Developers

Turned self-taught skill into a working software studio, taking on real clients and real deadlines.

Year 3

Shipped client projects

Designed and delivered SGC Wapda Town and Eagle Tech Security, among other production sites.

Year 3-4

Expanded into AI

Began exploring LLM integration, prompt engineering, and AI-powered product features.

Present

Building AANexus AI & applying to university

Refining the architecture of an ambitious AI platform while balancing IB studies and scholarship applications.

03 — EXPERIENCE —

Experience

Founder & Lead Developer

AA Developers

[Month Year] — Present

AA Developers began as an attempt to answer a simple question: could I build and ship software good enough that people would pay for it? What started as a personal challenge grew into a working software studio that has since designed, built, and deployed full-stack web applications for real clients across different industries.

As founder, I own the entire process end to end. Client engagements start with discovery conversations where I listen more than I talk — understanding what a client actually needs, which is often different from what they initially ask for. From there, I translate loose requirements into a concrete technical plan: site architecture, database schema, page structure, and a realistic timeline I can actually hit.

On the technical side, I work across the full stack. I build responsive, accessible front-ends using modern frameworks like React and Next.js, paying close attention to performance and to the small interaction details — loading states, transitions, error handling — that separate a functional site from a polished one. On the backend, I design and implement APIs, manage databases (PostgreSQL, MongoDB, and Supabase depending on the project's needs), and handle authentication, data modeling, and deployment.

SEO and discoverability are built into every project from the start rather than bolted on afterward — semantic HTML, proper metadata, sitemaps, and page-speed optimization, since a beautifully built site that no one can find isn't solving the client's actual problem. Where relevant, I integrate AI capabilities directly into client products using OpenAI's APIs and careful prompt engineering — features like intelligent content generation, natural-language interfaces, and automated workflows — always evaluated against whether they genuinely improve the product, not because AI is trendy.

Client communication is a core part of the role, not a side task. I manage expectations proactively, provide regular progress updates, and treat feedback cycles as part of the craft rather than an interruption to it. I've learned to say no to scope creep gracefully, to explain technical trade-offs in plain language, and to deliver work I'd be comfortable putting my name on.

Running AA Developers has taught me more about the discipline of shipping software than any tutorial could. Deadlines are real. Bugs surface in production, not just in testing. Clients change their minds, and the plan has to flex without the quality dropping. Building this studio while still in school has forced me to develop time-management and prioritization skills that I now bring to every project, academic and professional alike.

04 — SELECTED WORK —

Featured Projects

AA Developers

LIVE

aadevelopers.online

The AA Developers website is both the studio's storefront and a working demonstration of the engineering standards I hold every client project to. Built with a modern component-based architecture, the site is fully responsive across devices, optimized for fast load times, and structured around clean semantic HTML to support strong SEO performance out of the box. Beyond presenting services, the platform doubles as an educational resource, offering visitors clear explanations of the development process, technologies used, and what to expect when working with the studio — removing the mystery that often surrounds hiring a developer. AI-assisted features are integrated where they genuinely add value, supporting content workflows and helping visitors get relevant information faster. Design-wise, the site follows a restrained, professional visual language: careful typography, deliberate whitespace, and subtle motion that

guides attention without overwhelming it. As the platform clients see first, this project represents the baseline quality standard for everything AA Developers ships.

[Next.js](#)[React](#)[SEO](#)[Responsive Design](#)[AI Integration](#)

SGC Wapda Town

[LIVE](#)

sgcwapdatown.vercel.app

SGC Wapda Town is a modern digital platform built for an educational institution to modernize how it communicates with students, parents, and staff. Before this platform, information about announcements, schedules, and school activities lived across scattered, informal channels — the goal was to consolidate that into a single, organized, genuinely usable digital space. The site was built with a strong focus on accessibility and clarity, since its audience spans a wide range of technical comfort, from students to parents to school administrators. Navigation is simple and predictable, information architecture is organized around what users actually need to find, and the interface avoids unnecessary complexity in favor of straightforward, readable design. On the technical side, the platform is fully responsive, ensuring it works as well on a parent's phone as it does on a school computer lab desktop, with pages structured to load quickly and reliably. The project reflects an approach to software that prioritizes real-world usability over visual flourish.

[React](#)[Responsive Design](#)[Accessibility](#)[UI/UX](#)

Eagle Tech Security

[LIVE](#)

eagletechsecurity.ca

Eagle Tech Security needed a web presence that matched the seriousness of its business: a security-focused company whose clients need to trust it before they trust anything it says. The site was designed and built to project professionalism and credibility from the first impression, using a clean, confident visual language appropriate for a corporate security brand. The primary objective was clarity of communication — translating the company's technical services into language potential clients could understand and act on, without diluting the seriousness of the offering. Information architecture was structured so visitors can quickly understand what the company does, who it serves, and how to get in touch, without unnecessary friction. Technically, the site was built for reliability and performance, since a security company's website going down or loading slowly sends exactly the wrong message. This project sharpened my ability to design for trust rather than just aesthetics.

[Web Design](#)[Corporate Branding](#)[Performance](#)[SEO](#)

AANexus AI

IN DEVELOPMENT

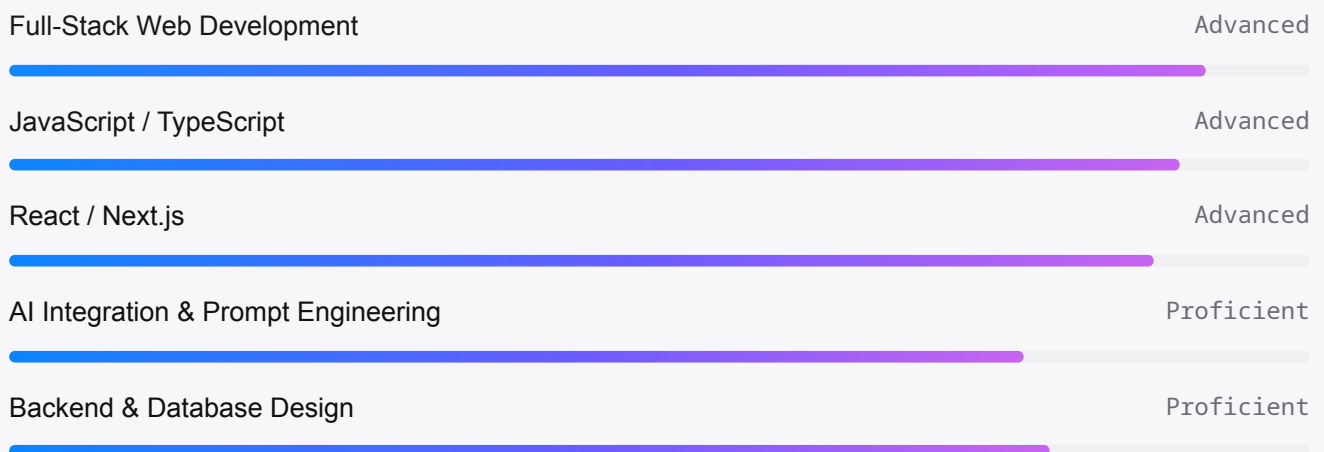
AANexus AI is the most ambitious project currently on my roadmap: a platform designed to bring AI-powered tools directly into everyday development and productivity workflows. The vision centers on building intelligent features — from natural-language interfaces to automated content and code assistance — that feel genuinely useful rather than novelty additions bolted onto existing software. Development is currently paused due to a technical issue with the Supabase backend infrastructure that requires a deeper architectural fix before the project can safely continue, rather than a quick patch that would create technical debt down the line. Pausing was a deliberate decision: shipping a platform with unresolved backend reliability issues would undermine the trust the product depends on. In the meantime, planning work continues — refining the platform's data model, reconsidering parts of the architecture that the initial build exposed as fragile, and researching more robust backend approaches before resuming active development. This project has been a valuable lesson in an underrated engineering skill: knowing when to stop, diagnose properly, and rebuild on solid ground.

[AI Platform](#)[Supabase](#)[Prompt Engineering](#)[System Architecture](#)

05 — CAPABILITIES —

Technical Skills

CORE PROFICIENCY



LANGUAGES

HTML

CSS

JavaScript

TypeScript

Python

FRAMEWORKS

React

Next.js

Tailwind CSS

BACKEND

Node.js

Express

REST APIs

DATABASES

MongoDB

PostgreSQL

Supabase

Firebase

CLOUD & DEVOPS

Vercel

Firebase Hosting

CI/CD Basics

VERSION CONTROL

Git

GitHub

ARTIFICIAL INTELLIGENCE

OpenAI APIs

Prompt Engineering

LLM Integration

UI / UX

Responsive Design

Accessibility

Design Systems

SEO

Technical SEO

Semantic HTML

Performance Optimization

TESTING

Manual QA

Cross-Browser Testing

DEVELOPER TOOLS

VS Code

Chrome DevTools

Postman

06 — MILESTONES —

Achievements



Founded AA Developers

Built and operate an independent software studio, delivering multiple live full-stack projects for real clients.



Self-Taught Mastery

Learned full-stack development and AI integration independently — through documentation, experimentation, and building real products.



Multiple Production Launches

Designed and shipped several production web applications across education, security, and software services.



Balancing Studio & IB Studies

Runs a software studio alongside a demanding IB course load, developing strong time-management and prioritization skills.



Continuous Skill Expansion

Actively growing technical range, most recently in AI/LLM integration, prompt engineering, and system architecture.



Disciplined Engineering Judgment

Paused AANexus AI to properly diagnose and rebuild its backend architecture rather than ship on a fragile foundation.

07 — OUTLOOK —

Personal Philosophy



I believe the best software disappears. It doesn't ask users to think about the technology powering it — it just works, quietly and reliably, so people can focus on what they actually came to do. That's the standard I hold every project to.

I also believe in learning in public and learning by building. Tutorials can teach syntax, but real skill comes from shipping something imperfect, watching it break, and fixing it under real constraints — real deadlines, real clients. Every project I've built has taught me more than the one before it, and I expect that to remain true for the rest of my career.

Technology, especially AI, carries real responsibility. I try to build things that genuinely help people rather than chasing what's trendy, and to stay honest about what a piece of software can and can't do. My goal isn't just to write code — it's to build tools and systems that make people's lives measurably better, and to keep getting better at that craft for as long as I'm doing this work.

08 — EDUCATION —

Education

Matriculation (Secondary School Certificate)

Completed

[Science Group](#)

— Foundational qualification preceding IB Diploma studies

Harvard University (via edX)

Self-Paced Certificate

[CS50: Introduction to Computer Science](#)

— Covered algorithms, data structures, memory management, C, Python, SQL, and web development

— Built a strong theoretical foundation underpinning subsequent self-taught full-stack and AI work

09 — GET IN TOUCH —

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LOCATION

Lahore, Pakistan



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