

MUHAMMAD FAIZAN MAQBOOL

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Islamabad, PK (Open to Remote)

PROFESSIONAL SUMMARY

Full Stack AI Engineer with 3+ years of experience across production web applications and applied AI systems. Works daily in TypeScript, Next.js, React, Node.js, Python, FastAPI, PostgreSQL, MongoDB and Amazon Web Services (AWS). AI work covers Retrieval Augmented Generation (RAG) pipelines, LangChain agent workflows, vector embeddings and vector databases, prompt engineering and OpenAI API integration over datasets holding millions of customer records. Also covers REST API design, JWT and OAuth 2.0 authentication, Role Based Access Control (RBAC), schema design and query optimization, CI/CD through GitHub Actions and Vercel, and eCommerce integrations with Shopify and ShipHero. Has owned the full product lifecycle alone as sole developer, from system design and database architecture through to production deployment and support.

TECHNICAL SKILLS

AI and Machine Learning: Large Language Models (LLMs), Retrieval Augmented Generation (RAG), LangChain, agentic AI workflows, AI agents, prompt engineering, vector embeddings, vector databases, semantic search, OpenAI API, machine learning pipelines, model inference workflows, AI automation, n8n

Languages: TypeScript, JavaScript (ES2020+), Python, SQL, HTML5, CSS3

Frontend: React.js, Next.js 14 to 16, Server Side Rendering (SSR), Static Site Generation (SSG), App Router, Tailwind CSS, ShadCN UI, Aceternity UI, Framer Motion, GSAP, React Three Fiber (R3F), responsive design, internationalization (i18n), Search Engine Optimization (SEO), OpenGraph and metadata, Core Web Vitals

Backend and APIs: Node.js, Express.js, NestJS, FastAPI, REST API design, WebSockets, JWT authentication, OAuth 2.0, GraphQL, Better Auth, Role Based Access Control (RBAC), microservices architecture, Stripe payments

Databases: PostgreSQL, MongoDB, MySQL, Supabase, NeonDB, Prisma ORM, Redis (basic), relational schema design, query optimization, indexing

Cloud and DevOps: Amazon Web Services (AWS) including EC2 and S3, Vercel, Docker, GitHub Actions, CI/CD pipelines, Git, Postman

eCommerce: Shopify, Shopify Storefront API, ShipHero, order management, inventory and shipping workflows

Practices: system design, scalable architecture, performance optimization, code review, debugging, Agile and Scrum, technical documentation (Fumadocs, MDX), sole developer ownership

PROFESSIONAL EXPERIENCE

Nysonian Inc.

April 2026 - Present

Full Stack AI Engineer

Islamabad, Pakistan (On site)

Accomplishments:

- Develop and maintain eCommerce platforms and internal business tools on Next.js, React, TypeScript, Node.js, Python and FastAPI, covering order management, shipping workflows, customer support and day to day internal operations.
- Created AI features over PostgreSQL databases holding millions of customer records, using Retrieval Augmented Generation (RAG), vector embeddings and semantic search so staff can query business data in plain language instead of writing SQL.
- Designed and released an AI powered content management system (CMS) that handles repeat internal work and reduces manual effort for the operations team.
- Wrote automation workflows with LangChain and n8n that connect internal systems, trigger follow up actions and remove repeat manual steps across departments.
- Connected Shopify and ShipHero to internal services so order fulfilment and inventory data stay in sync without manual entry.
- Added JWT based authentication, WebSocket driven live updates and backend services for growing order volume.
- Run deployment and infrastructure on AWS, including the release process, uptime and production issue triage.

NESL-IT
Full Stack Engineer (Contract)
United States (Remote)

April 2026 - September 2026

Accomplishments:

- Sole developer on AI powered software as a service (SaaS) products, owning system design, database schema, frontend, backend and production release.
- Designed LLM pipelines and agentic AI workflows with LangChain and the OpenAI API to automate tasks that previously needed a person at every step.
- Set up modular Node.js services along microservices lines with clear REST API boundaries, so parts of the product can scale independently.
- Wrote the frontend in Next.js and React with TypeScript, including authentication, dashboards and the interfaces users work in daily.
- Set up CI/CD through Vercel and GitHub Actions so releases are automated and repeatable.

Silverthread Labs
Full Stack Developer
Rawalpindi, Pakistan (Hybrid)

October 2023 - March 2026

Accomplishments:

- Developed Ezly (getezly.com), a production LLM and machine learning platform with model inference pipelines, persona based response generation, saved replies, proposal generation and a full Next.js and TypeScript interface.
- Developed GlanceAI (glanceai.site), an AI web assistant delivered as a Chrome extension and web application that returns page summaries, key points, chat over page content and related links.
- Architected SEO focused Next.js applications using Server Side Rendering (SSR) and Static Site Generation (SSG), reaching 95+ Lighthouse scores and measurably better Core Web Vitals.
- Designed REST APIs and backend services in Node.js and Express.js on PostgreSQL through Supabase and NeonDB, including relational schema design and query optimization.
- Wrote complete authentication systems from scratch: JWT flows, Better Auth session handling, OAuth 2.0 and Role Based Access Control (RBAC) for multi tenant SaaS platforms.
- Integrated the OpenAI API and other AI services to automate content pipelines, which cut the manual editing load on the content team.
- Led frontend architecture with reusable TypeScript component libraries and turned Figma files into pixel accurate responsive interfaces with Tailwind CSS, ShadCN UI and Framer Motion.
- Integrated Stripe payments, analytics tools and external APIs, and ran deployment and maintenance through Vercel and GitHub Actions.
- Added multilingual support (i18n) and wrote structured MDX documentation in Fumadocs, which shortened onboarding time for new developers.

Precise Technologies
Web Developer Intern
Ontario, Canada (Remote)

July 2023 - September 2023

Accomplishments:

- Wrote modular, reusable React and Next.js components and improved responsiveness across screen sizes for internal and client facing applications.
 - Learned backend fundamentals in practice, including REST API development and database read and write operations.
 - Took part in debugging, testing, performance work and Git based team workflows in an Agile environment.
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SELECTED PROJECTS

- **Nysonik** : <https://nobl.nysonik.com/>
 - **NysoHub** : <https://nysohub.nysonik.com/>
 - **Ezly** : <https://getezly.com/>
 - **DevflowAI** : <https://devflowai-by-devyst.vercel.app/>
 - **Aiden Solutions** : <https://www.aiden.solutions/>
 - **ColorDrop** : <https://colordrop-by-devyst.vercel.app/>
 - **ProposeAI** : <https://proposeai.devyst.com/>
 - **Silverthread Labs** : <https://www.silverthreadlabs.com/>
 - **GlanceAI** : <https://www.glanceai.site/>
 - **Brainerr** : <https://brainer-ai-webapp.vercel.app/>
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EDUCATION

Bachelors' Degree

COMSATS University Islamabad

Sep 2019 - Jul 2023

CERTIFICATION

Full Stack JavaScript Developer Professional Certificate

IBM

Dec 2025 – Jan 2025

Credential: <https://www.coursera.org/account/accomplishments/professional-cert/ZDUNQFEMN7Y2>