



Muhammad Adnan

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WORK EXPERIENCE

ABU DHABI NATIONAL TAKAFUL CO. PSC – ABU DHABI, UNITED ARAB EMIRATES

Business or Sector Financial and insurance activities | **Department** Digitalisation & Innovations |

Website <https://www.takaful.ae>

SOFTWARE DEVELOPER – 07/2025 – CURRENT

- Designing and developing **full-stack web applications** using **.NET, React.js, Vue.js**, and **Next.js**.
- Implementing **secure and efficient back-end logic** with **.NET** and **Express.js**.
- Managing and optimizing **Oracle, SQL Server**, and **MySQL** databases.
- Building and integrating **RESTful APIs** for seamless communication between systems.
- Collaborating on **UI/UX design** through prototypes, user testing, and feedback loops.
- Deploying and maintaining applications on **Windows** servers.
- Translating **business requirements** into scalable and **maintainable technical solutions**.
- Developing **RAG (Retrieval-Augmented Generation)** applications for intelligent data retrieval and processing.
- Integrating **Large Language Models (LLMs)** using **LangChain** and **AI chatbot frameworks** to enhance user interaction and automation.

DX FUTURETECH DMCC – DUBAI, UNITED ARAB EMIRATES

FULL STACK DEVELOPER – 06/2024 – 07/2025

- Developed and maintained **high-performance web applications** using **Next.js** and **React.js**.
- Implemented **back-end services** and **APIs** with **Node.js**, ensuring secure and efficient data management.
- Integrated, customized, and created **custom APIs** in **Strapi CMS** to manage dynamic content across various applications.
- Collaborated with **cross-functional teams** to design, develop, and deploy **full-stack solutions**, aligning with business goals and client requirements.
- Participated in **agile development practices**, including **daily stand-ups** and **sprint planning**.

BPO FLEXIBLE, SRI LANKA (REMOTE)

SOFTWARE ENGINEER – 04/2023 – 06/2024

- Refactored component logic to improve **code reusability** and **maintainability**.
- Contributed to project updates and discussions in developer meetings, providing **technical insights** and **progress reports**.
- Utilized technologies such as **Express.js, React.js**, and **LangChain** to meet project requirements and deliver **scalable solutions**.
- Utilized **Bootstrap 5** to create **visually appealing, user-friendly interfaces**, adhering to modern design principles.
- Designed and implemented **RESTful APIs**, working closely with the **backend team**.

CODE HUB SYSTEMS, ISLAMABAD – ISLAMABAD, PAKISTAN

Website <https://codehubsys.com>

- **Troubleshoot**, debugged, and upgraded existing software to improve performance and stability.
- Actively contributed to multiple projects, playing a key role in **developing new features** and ensuring **bug-free applications**.
- Conducted **peer code reviews**, providing constructive feedback and comments to maintain code quality.
- Responsible for developing **UI components** using **React** and **Material Design** for consistent styling and usability.
- Involved in both **frontend and backend development** of software applications.
- Participated in **daily stand-up meetings** to share progress and discuss blockers.
- Collaborated on **sprint planning** with the development and product teams to align priorities and deliverables.

DENODE TECH – RAWALPINDI, PAKISTAN

PHP DEVELOPER (CODEIGNITER) – 11/2021 – 02/2023

- Developed and maintained web applications using **PHP** and the **CodeIgniter** framework.
- Built **responsive and visually appealing front-end interfaces** with **Bootstrap** and **CSS**, ensuring **cross-browser compatibility** and **mobile responsiveness**.
- Designed and integrated **MySQL databases** with PHP applications, optimizing queries for **efficient data retrieval and storage**.
- Followed the **MVC architecture** in CodeIgniter to separate concerns and enhance **application maintainability**. Utilized **Git** for version control, maintaining a **clean codebase** and effectively tracking changes.

● **EDUCATION AND TRAINING**

01/09/2019 – 15/07/2023 Islamabad, Pakistan

BACHELOR OF SCIENCE IN SOFTWARE ENGINEERING SZABIST Islamabad

Address Street # 09, Plot # 67 Sector H-8/4, Islamabad, 44000, Islamabad, Pakistan | **Website** <https://szabist-isb.edu.pk/> |

Final grade 3.57/4.00 | **Type of credits** Credit Hours | **Number of credits** 130

● **SKILLS**

Microsoft Office (Word , Excel and Power Point) | React JS, React Route, React Hooks, React Dom | Javascript(Nodejs, ExpressJs) | Full Stack Developer (MERN) | React / Next Js | Experience with PHP, SQL, HTML, CSS, JavaScript | PHP - Codeigniter | RAG | LLM | Cursor AI | Lovable AI | IIS Server | Oracle Database | Supabase | Firebase | Redux | React Query | Automation | N8n | Vercel | Strapi CMS | CMS | Wordpress | Shopify | Elevenlabs

● **PROJECTS**

Arvai AI

Developed and deployed an advanced AI assistant integrating multiple state-of-the-art models (e.g., GPT-5, Claude Opus 4.1) with **text-to-video**, **text-to-image**, and **AI-powered image and video generation** capabilities. The platform delivers dynamic, multi-modal conversational and creative experiences, enabling seamless interaction with cutting-edge AI technologies for end users.

Link <https://www.arvai.app/>

Fine Tune GPT Bot

Built and fine-tuned a custom GPT-based chatbot trained on domain-specific data to deliver accurate, context-aware responses to user queries, improving website interactivity and user experience.

Enhanced customer engagement and streamlined communication by providing instant, personalized assistance to users.

Link <https://high-intellect-bot-react-ts.vercel.app/govt-contract>

Call Donna D'Errico AI

Developed and launched an interactive voice-call AI experience, allowing users to converse with a realistically trained AI version of celebrity Donna D'Errico. Engineered voice-generation models that capture her personality, voice, stories and mannerisms for engaging one-on-one chats

Link <https://www.calldonnad.com/call>

Ultimate AI Platform

Developed a scalable platform for creating and deploying **AI voice call experiences**, similar to the “Call Donna D’Errico AI” project. The system enables users to build lifelike, interactive AI personas capable of real-time voice conversations, leveraging advanced speech synthesis, language modeling, and conversational AI to deliver human-like engagement.

Link <https://ultimate-ai.app/>

Druce Real Estate Platform

Developed and deployed an integrated real-estate service platform for Druce, enabling seamless property search, listing management and valuation tools across sales, lettings and asset-management verticals. Leveraged digital interfaces to enhance user experience and streamline property transactions for a global clientele.

Link <https://druce.com>

CERTIFICATION

Learn TypeScript

Link <https://coursera.org/share/c5125ca12f275bd0afb9e8feace3c444>

React Basics

Link <https://coursera.org/share/8321f0228c050b6249aa09696f49828d>

Bug Bounty and Web Reconnaissance
