

DANISH KHAN

Full Stack Developer | Python

(+92)3369009019 | Pakistan | danishafzalkhan@gmail.com | <https://linkedin.com/in/danishafzalkhan>

PROFESSIONAL OVERVIEW

Senior Full Stack Engineer with 6+ years of experience in designing, developing, and deploying scalable software solutions. Expertise in React, TypeScript, and Python, with a strong focus on creating high-performance, user-centric applications on Azure and AWS.

WORK EXPERIENCE

Senior Software Engineer | AI Synapse, USA

Dec 2023 - Present

As the Senior Software Engineer, I architected the application using Azure, Langchain, Next.js and Fast Api

- Optimized LLM performance through prompt engineering and efficient API usage strategies
- Engineered robust data preprocessing and feature extraction pipelines for improved model accuracy
- Built the ML architecture of the app using Langchain, Vector DBs and other tools.
- Setup RESTAPI structure to communicate with the frontend and AI systems.
- Tech Stack: Azure, Next.js, Typescript, Python, Langchain, Nest.js

Lead Software Engineer | Indek, Dubai

Feb 2023 – Dec 2023

As the Lead Engineer on the team, I was responsible to setup the foundation of the app

- Optimized existing code infrastructure and rebuilt the core engineering engine
- Supervised both front-end and back-end teams, ensuring seamless delivery times and deployment.
- Authored tests, conducted debugging sessions, and implemented backend architecture.
- Drove the frontend team's adoption of advanced Next.js features for server-side rendering.
- Tech Stack: Next.js, Clerk, Planet Scale, Tailwind CSS, Typescript

Special Project Manager (Engineering) | Just Appraised, USA

March 2022 – Feb 2023

As a Special Projects Manager, I was accountable for the product delivery and data team.

- Developed API parsers to streamline data extraction and integration with data warehousing systems
- Optimized product customization through advanced JSON configurations
- Collaborated with the backend team to construct efficient data loaders, optimizing database functionality.
- Provided adept technical support as the configuration specialist.
- Tech Stack: Python, Java, AWS Redshift, Fivetran, AWS Lambda

Software Engineer | Adveria, USA

April 2018 – Sep 2021

As a Software Engineer I was accountable for end-to-end project pipeline from discovery to handover.

- Developed and optimized web applications, focusing on responsive design and user experience
- Built projects with PHP, WordPress, JavaScript, and React, while exploring AI libraries and frameworks
- Contributed to various stages of the software lifecycle, from requirements gathering to deployment
- Tech Stack: PHP, WordPress, JavaScript, React

WORK EXPERIENCE CONTINUED

| | |
|---|-------------|
| Marketing Intern Preacher9, Islamabad | 2016 - 2017 |
| As a Marketing Manager, I was accountable for client acquisition and retention in this role. | |
| <ul style="list-style-type: none">Developed and executed multi-channel digital marketing strategies to enhance brand visibility.Analyzed campaign data, extract actionable insights, and optimize strategies for improved ROI.Lead cross-functional teams, providing clear direction for successful digital marketing campaign. | |

EDUCATION

| | |
|---|-----------|
| BS International Relations Bahria University, Islamabad | 2012-2016 |
|---|-----------|

TECH STACK

| | | | |
|------------|---------|-----------|-----------------|
| Typescript | React | Next.js | Redux |
| Python | FastAPI | Langchain | Azure Functions |
| AWS | Jest | Postman | TailwindCSS |

SKILLS

| | | | |
|-----------------|---------------|------------------------|--------------|
| System Design | OOP | Functional Programming | DevOps |
| CI/CD Pipelines | Serverless | Data Architecture | Unit Testing |
| Data Structures | Data Analysis | ETL Pipelines | UX-design |

PROFESSIONAL DEVELOPMENT AND CERTIFICATES

| | |
|--------------------------------------|------|
| Generative AI DeepMind | 2024 |
| CS50 Harvard Extension | 2023 |
| Integrating LLM Applications Udemy | 2024 |
| UX Design Coursera | 2021 |