Fahad Jafar

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EXPERIENCE

Software Engineer — December 2024 – Present
Techanzy Limited — *Lahore, Pakistan*

- Developed an AI-powered call center agent that automates customer interactions by integrating **Twilio**, **OpenAI**, and **FastAPI**. Leveraged speech-to-text, **LLM** processing, and **text-to-speech** to handle real-time calls via webhook.
- Developed a robust notifications module for admin alerts, utilizing **PostgreSQL** to efficiently store and manage important system updates and changes.
- Designed and implemented **link-based password reset** functionality using **NodeMailer**, streamlining the password recovery process for users.
- Created a manual **deployment pipeline** to automate app deployment to **Vercel**, ensuring smooth and efficient release cycles.
- Integrated **Cloudinary** for file storage, enabling seamless management and storage of user profile pictures.
- Provided on-call support to quickly resolve high-priority bugs and UI issues, ensuring optimal user experience.
- Engineered custom role-based access control for a blog publishing platform, using **Django** for the backend and **ReactJS** for seamless frontend integration.
- Integrated secure user authentication in a **Flutter**-based e-commerce app, leveraging **Firebase** to manage user data and enhance security.
- Developed custom user management and authentication for a personal notes app, utilizing **MongoDB** to store user and session data.
- **Technologies used:** JavaScript, Python, ReactJS, Django, FastAPI, Express, NodeJS, PostgreSQL, MongoDB, OpenAI, Twilio, Firebase, Vercel, Cloudinary.

Software Engineer Intern — August 2023 – November 2023
NOBORDERZ INNOVATION — *Lahore, Pakistan*

- Built interactive web applications using **React.js**, mastering core concepts like components, state management, and lifecycle methods for dynamic user interfaces.
- Created a project applying core concepts of **React**, including components, state management, and lifecycle methods, to build a responsive and interactive web application.
- **Technologies used:** JavaScript, React, Material UI, Tailwind, MySQL, Auth0, Bootstrap.

CERTIFICATES

AWS Cloud Technical Essentials — Coursera
Completed: July 2024

- Gained comprehensive knowledge of AWS cloud services, covering core cloud concepts, AWS services like EC2 and IAM.
- Practical understanding of AWS management tools for creating and securing resources in cloud-based infrastructure.
- View Certificate

EDUCATION

University of Central Punjab — Lahore, Pakistan
BSc. Software Engineering — *Oct. 2020 – August 2024*
Courses: Object Oriented Programming, Data Structure and Algorithm, Software Testing , Software Design Architecture

TECHNICAL SKILLS

Languages: SQL, Javascript, Python, C++, Java. HTML, CSS
Frameworks: MERN Stack (MongoDB, Express, React, Node.js), WordPress, Django
Developer Tools: Git, Docker, Excel, PowerBI, Google Cloud Platform, VS Code, Vercel
Libraries: Toastify, Material UI, Bootstrap, pandas, NumPy, Matplotlib