

MOHAMMED IRFAN

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OBJECTIVE

Highly motivated and results-oriented Python Full-Stack Developer with **5 years of experience** building performant web applications. Using **expertise** and **problem-solving skills** to contribute to innovative solutions

SKILLS

Backend Development. Python,Django,FastAPI,Celery,Pytest,PostgreSQL
Devops. Docker,AWS,Azure VM,Azure Functions,ACR, CosmosDB,UAMI etc.
Frontend Development. React, Next.js, HTML5, CSS3,Javascript,Streamlit,Typescript
Miscellaneous. NumPy,Pandas,langchain,asyncio
Soft Skills. Teamwork, Communication, Adaptability,Problem solving

EXPERIENCE

Software Engineer Apr 2024 - Present
Perfecter AI Ltd. (Formerly Velocius AI) *Chennai,TamilNadu*

- **Achieved loosely coupled architecture** using **Azure Functions, Azure API Management, UAMI** etc. integrating with **Fastapi** based REST APIs and API Documentation resulting in **30% more scalable system**
- **Developed advanced data extraction tools** leveraging technologies including **LLMs.** and **OCR Engines.**
- **Established CI/CD pipeline on Azure Function Instances** utilizing **Github actions** and **ACR docker instances**, achieving a **20% reduction in deployment time.**

Software Engineer Mar 2023 - Apr 2024
Tedwiz Ltd. *Thrissur,Kerala*

- **Optimized Django / Django REST Framework** **Back-end performance by 25%** using **cache techniques** and other optimizations.
- **Acheived a 20% traffic improvement and a 15% increase in organic search rankings** by leveraging Next.js(React.js framework) features like **SSR, code refactoring** etc.
- Delivered a **critical application** feature **4 days ahead of schedule** using the Scrum methodology.

Software Engineer Aug 2020 - Mar 2023
NDimensionz Ltd. *Ernakulam,Kerala*

- **Managed the development and launch of ML based recruitment application(YVI)** from **initial concept to Minimum Viable Product (MVP)**
- Implemented **caching, throttling**, and efficient database indexing strategies for **Postgres DB** using Django/DRF in the backend, **resulting in around 30% reduction in API response times.**
- **Coordinated** with setting up of **EC2 instances**, wrote and deployed scripts for **AWS Lambda** using **FastAPI**

ACHIEVEMENTS

Won first prize in the Internal Hackathon for Subject: Code Obfuscation in Python.

PERSONAL PROJECTS

Creativerse is an AI based creative assistance application for non-linear storyline exploration as well as creative idea visualization.

- Built the user interface with **Next.js** and **React Flow** to visualize and navigate branching storylines in a tree-like structure.
- Architected the **FastAPI** backend to integrate with **Gemini API** and **Langchain**, enabling dynamic, AI-generated story branches from user input.

EDUCATION

B.Tech, Computer Science SNGCE, Kadayirippu

2016-2020