

MUHAMMAD AHMED

Software Engineer

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SUMMARY

As a software developer with 2+ years of experience, I have worked in a teamwork under Agile and waterfall software development methodologies learning a lot about software development for delivering high-quality problem solving software that meets client requirements. I have maintained a history to resolving issues with passion, honesty and professionalism.

WORK EXPERIENCE

Software Engineer, Lyftrondata

July 2022 - Present

- Understanding requirements from different data sources (APIs).
- Estimate, prioritize, plan, and coordinate development activities.
- Designing and Testing of methods required for ETL processes on the company's SAAS product.
- Ensuring performance of data extraction to data loading with the QA team.
- Maintaining the industry standards with Quality Assurance team, Software Engineers, and DevOps Engineers to develop solutions.

Full Stack Engineer, GYB-Commerce

Jan 2022 - June 2022

- Analyzing and understanding the requirements of clients.
 - Estimate, prioritize, plan, and coordinate development activities.
 - Designing and developing backend database models for data architecture (Python, Django).
 - Designing and developing backend API for frontend data integration (REST, Postman).
 - Handling APIs from the front end and designing screens according to the client's requirements (React.js).
 - Collaborating with Software Engineers, and Stakeholders to develop solutions.
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EDUCATION

Bachelor's in Computer Science

DHA Suffa University, Karachi.

PROJECTS

Privacyte

Dec 2023 - July 2024

Privacyte is the final year project where me and my team focused on digital innovation creating a diverse mobile application with flutter. Attention to detail was important in this because of teamwork. We had to brainstorm ways to adapt our ideas into the application.

- I was responsible for the development of backend server.
- Handle APIs including Token Authentication in Flask with user data storage in MongoDB.
- Data administration and secure storage in MongoDB. Integration of APIs in frontend of the project.
- Integration of APIs in frontend of the project.

Recipe App API

Mar 2024 - May 2024

A practice project base on Python programming language following the industry trend to write and resolve issues in a professional way.

- Build an advanced Django REST API with features like authentication, custom serializers, and OpenAPI schema.
- Employ Test-Driven Development (TDD) for clean and maintainable code.
- Containerize the application with Docker for portability and consistent deployments.
- Tech Stack: Python, Django, TDD, Docker, GitHub Actions, Flake8 (linting).

DataBridge

Oct 2023 - Nov 2023

This software provides a solution to transfer the data from AWS S3 to your Snowflake database.

I used Python programming language with Django framework

- The DataBridge project highlights proficiency in data warehousing and ETL processing.
- Involves transferring data from AWS S3 to Snowflake through ETL processing.
- ETL process is executed using the Snowflake library within the Django framework.
- Tech Stacks: Python, Django, AWS, Snowflake Cloud, HTML, Bootstrap.

Inventory Management System

May 2022 - Aug 2022

Software solution for an individual retail shop to handle their inventory, sales, and commission based payroll system.

- Utilizes Python Django framework and REST APIs for meticulous inventory management tailored to small businesses and retail stores.
- Employs Django REST framework for seamless management of inventory data through meticulously developed RESTful APIs.
- Core features include product management, inventory monitoring, and report generation, enhancing operational efficiency.
- Tech Stack: Python, Django, Rest APIs, PostgreSQL, React.js, JavaScript, MaterialUI.

AT8

March 2021 - May 2021

Putting the technology in the solution with a full web based environment for all the gamer community to interact and participate in tournaments.

- Provides a platform for organizing gaming tournaments, including popular titles like PUBG PC, with a focus on seamless tournament management via the website interface.
- Enables players to register their teams securely for upcoming tournaments, submitting essential team details within a protected framework.
- Ensures confidentiality and integrity of team information through meticulous execution and stringent security measures.
- Demonstrates commitment to user-centricity by prioritizing data protection and privacy, boosting confidence in the platform's reliability.

ADDITIONAL INFORMATION

- **Technical Skills:** Python Development, Software Development Lifecycle, Software Products, Technical Specifications, Quality Assurance, Database Systems, Containerization, MVC Architecture, Web Development, Coding Standards, Version Control, Code Reviews, Web scraping, Programming, Git, Selenium, Version.
- **Languages:** English, Urdu.
- **Portfolio Website:** www.mahmed.netlify.app