Gulrukh Ibrar Khan

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To leverage my expertise in software development and API integration, along with my proficiency in front-end development and data analysis, to contribute to a dynamic organization as a Full Stack Engineer. I aim to collaborate with cross-functional teams, build scalable and performant web applications, and deliver innovative solutions that drive business growth and enhance user experiences.

Experience

NOVEMBER 2021 – PRESENT

Sr. Software Development Consultant/Outsized, UK (Remote)

- Creating and maintaining **Rest APIs in NodeJs (Serverless),** implementing CRUD operations, handling middleware, authentication and authorization
- Creating and maintaining **GraphQL API** in Python, implementing CRUD operations
- Design and implementing **Elasticsearch** indices, mappings, and queries to optimize search performance and relevance
- Conducting comprehensive **testing of APIs in Postman**, ensuring the functionality, accuracy, and reliability of the endpoints
- **Performing load testing using Postman** to evaluate the performance and scalability of the APIs under different user loads and stress conditions.
- Bring mock-ups to life using **ReactJs** that are reusable and performant
- Integration of UI components with RESTful and GraphQL APIs to make the app dynamic
- Use **ANTD** to make web app responsive
- Building new features as well as maintaining existing ones
- Writing **Cypress** test scripts to simulate user interactions and validate the expected behavior of the web applications
- **Automating** test scenarios and regression testing using **Cypress**, reducing manual effort and improving the efficiency of the testing process
- Communicating with product managers and senior management on prioritization and roadmaps
- Solving production issues and bugs across services and multiple levels of the stack
- Managing technical estimation and sprint planning
- Managing execution of sprints in a timeline manner according to estimates

JULY 2020 – OCTOBER 2021
Full Stack Engineer/Humanalytics, UK (Remote)

- o Developed and maintained **Rest APIs in Python- Flask** implementing CRUD operations, handling authentication and authorization

- o Conducted comprehensive **testing of APIs in Postman**, ensuring the functionality, accuracy, and reliability of the endpoints

- o **Performed load testing using Postman** to evaluate the performance and scalability of the APIs under different user loads and stress conditions.

- o Developed and maintained **user-friendly and responsive front-end interfaces** using HTML, CSS, and JavaScript.

- o Implemented **interactive features and functionality using JavaScript**, enhancing user experience and engagement

- o Cleaned the data received from smart watch using Panda

DECEMBER 2017 – JUNE 2020
Software Engineer/Commtech, Rawalpindi (Onsite)

- o Developed and maintained **Rest APIs in Python- Flask** implementing CRUD operations, handling authentication and authorization

- o Developed and maintained a web application using Python - Flask to build a Social Graph Engine

- o Extracted data from a MySQL database and performed data transformation using pandas to prepare it for graph creation

- o Implemented graph creation using nodes and edges, leveraging Depth First Search algorithm to represent individual personality and their relationships

- o Designed and implemented functionality to visualize the graph, allowing users to explore and analyze the relationships between nodes and their connections

- o Developed and maintained a web application using Python - Flask to create a Twitter Monitoring System

- o Implemented functionality to fetch tweets based on specific keywords, enabling real-time data retrieval from the Twitter API

- o Pre-processed the fetched data according to the defined business logic using pandas, ensuring data quality and relevance

Skills

- Programming Languages: JavaScript, Python   • API Development: RESTful APIs, GraphQL

- Database Management: MySQL • Search Technologies: Elasticsearch

- Testing and Debugging: Postman, Cypress • Front-end Frameworks: Ant Design (ANTD), Bootstrap

- Version Control: Git • Agile Methodologies: Scrum

- Problem Solving and Troubleshooting • Communication and Collaboration

- Project Management • Load Testing and Performance Optimization

Education

2013 - 2018

BS (Computer Science) /COMSATS UNIVERISTY, Islamabad

2010 - 2012

Intermediate (Pre – Engineering) /502 Model College, Rawapindi

2009 - 2010

Matriculation /502 Model College, Rawapindi