



Muhammad Tufail

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WORK EXPERIENCE

Software Engineer

Abctechnologies [17/03/2019 – Current]

City: karachi | Country: Pakistan

- Supervised and led a team of 5 junior software engineers during that period, delivering multiple comprehensive and robust applications, improving the company's operational accuracy, and reducing incidents and failures.
- Demonstrated expertise in translating the client's specific needs into easy-to-understand software solutions.
- Proficiently troubleshoot simple and complex technological issues for different assigned projects, achieving over a **95% success rate**.
- Enhanced the application's features to effectively fix bugs and optimize overall performance, reliability, and efficiency.
- Utilized software engineering expertise to develop products throughout the software lifecycle to boost business efficiency, from ideation and requirements definition through to development and successful deployment.

Project leader

WebSoft Solutions [25/06/2021 – Current]

City: karachi | Country: Pakistan

- We have provided various software solutions to the company, completing numerous tasks and projects while collaborating with team members and clients.
- Took charge of planning software development timelines and budgets, ensuring all projects were completed on time and within the allocated budget.
- Documented all supported systems and applications to effectively train new and existing team members.
- Regularly monitored company systems to identify areas for improvement, consistently boosting business efficiency.
- Established and implemented strategic methodologies to analyze client databases and develop precise mapping specifications.
- Led onshore and offshore development teams

EDUCATION AND TRAINING

Bachelors Of Computer Science

GC University Faisalabad [11/07/2014 – 03/10/2018]

City: faisalabad | Country: Pakistan | Website: <https://gcuf.edu.pk/>

Intermediate of Computer Science

Punjab College Of Information and Technologies [06/07/2012 – 09/06/2014]

City: rawalpindi | Country: Pakistan | Website: <https://pgc.edu/>

LANGUAGE SKILLS

Mother tongue(s): Urdu

Other language(s):

English

LISTENING B1 READING B1 WRITING B1

SPOKEN PRODUCTION A2 SPOKEN INTERACTION A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

PHP - expert level / JavaScript / Apache Tomcat, Apache HTTP Server / programming: Python, MATLAB and SQL / SQL (MSSQL, PL/SQL, MySQL) / HTML & CSS / Microsoft Office

HIGHLIGHTED PROJECTS

[01/08/2019 – 10/05/2021]

IoT analytics platform

- **Tech Stack:** Python, PHP, MySQL, JavaScript, JSON
- Designed and led the development of a robust real-time data processing system.
- Integrated with PLC controllers using OPC, MODBUS, or MQTT (Mosquitto).
- Enabled dynamic field management for customizable data handling.
- Allowed users to customize charts and apply thermodynamic formulas.
- Implemented overall performance monitoring features.
- Included notifications for unwanted activities.
- Enhanced operational efficiency and improved user experience.

[06/04/2023 – 07/06/2023]

HRMS

- **Tech Stack:** Laravel, MySQL, JavaScript, JSON, Python
- Designed and led the development of a comprehensive HRMS system.
- Reduced human effort in managing attendance, payslips, CVs, and human resources.
- Integrated with ZKTeco and other attendance machines for real-time data retrieval.
- Enabled efficient management of leaves and short leaves.
- Streamlined human resource processes for improved efficiency.

[10/06/2020 – 14/11/2020]

Email Marketing System - Yamaha Pakistan

- **Tech Stack:** PHP, MySQL, JavaScript, Ajax
- Designed and led the development of a comprehensive email marketing system.
- Retrieved form data from the official website for targeted marketing.
- Integrated HTML email templates provided by the marketing team.
- Categorized data to ensure relevant emails are sent to specific audiences.
- Enabled scheduling of emails for optimal delivery times.
- Tracked the number of emails sent and monitored link visit statistics.

[06/02/2022 – 08/09/2022]

Materials Management System - YAMAH Pakistan

- **Tech Stack:** PHP, MySQL, JavaScript, Ajax
- Designed and led the development of a comprehensive material management system.
- Managed mass production and purchase orders with a dynamic approach.
- Allowed for custom category creation tailored to departmental needs.
- Enabled the creation of custom hierarchies for effective workflow management.
- Generated requisitions with responses from the hierarchy for approval.
- Converted approved requisitions into purchase orders seamlessly.

- Managed vendor relationships and maintained accurate material records.
- Facilitated handover and takeover processes for efficient inventory management.

[06/04/2024 – 13/09/2024]

UNFPA Data Portal

- **Tech Stack:** PHP, MySQL, JavaScript, Ajax, Android
- We have developed a comprehensive data management system with online and offline functionality.
- We integrated multiple data entry points with custom validation at each stage to ensure accuracy.
- Implemented real-time data visualization through Power BI dashboards.
- I created an Android app to enable mobile accessibility for stakeholders.
- Enabled dynamic field management, improving data processing speed and usability.
- Provided easy monitoring of activities and system performance for all stakeholders.
- Facilitated informed decision-making by offering actionable insights.
- Supported effective planning for investments and fund management.