

Khawaja Abdullah

Software Developer

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SUMMARY

Highly motivated and technically proficient software engineer with about 2 years of experience, skilled in various programming languages, including C, C#, Python, PHP, JavaScript. Currently working on CRM development, building and customizing solutions in Dynamics365 and powerapps to enhance customer engagement for Banking and Insurance sector.

EXPERIENCE

Associate Software Developer, VeriPark

Aug 2024 – Present

.NET, Typescript, Dynamics 365, PowerApps

- Built custom TypeScript web resources in PowerApps Model-Driven Apps to enhance client-side functionality, leading to a more dynamic and responsive user experience.
- Developed custom plugins with .NET class library to automate business logic such as recalculating borrower income for Garanti Bank Romania.
- Designed and implemented custom actions with .NET that integrate with VeriLink, a third-party API layer, enabling real-time validation, customer verification, blacklist checks, and SMS communication services.
- Developed a .Net console application, to handle post operation actions triggered during Azure DevOps build pipeline deployments.

Associate Solutions Developer, Global Risk Compliance Technologies

Jul 2023 – Jul 2024

PHP, Laravel, Javascript Python, Machine Learning, LLM Rag

Karachi, Pakistan

- Developed a risk compliance application using PHP and Laravel, and deployed on a cloud-based Windows Server to provide secure, web-accessible compliance management.
- Built a Python-based RAG application using FastAPI to enable real-time question answering from user-uploaded documents, integrating it seamlessly with the risk compliance application.
- Built a sales forecasting tool for Lucky Motors using Neural Prophet time series forecasting model.
- Developed dashboard on React to display the model's results and other details

EDUCATION

Diploma in Big Data Analytics, Institute of Business Administration - IBA

Aug 2024 – Nov 2024

- Coursework: Python Data wrangling, NeoJ, PySpark, Machine Learning, Kafka, PowerBI

Bachelors of Science Computer Science,

Aug 2020 – Jun 2024

National University of Computer and Emerging Sciences - FAST

- Coursework: Data Structures, OOP, Design and Analysis of Algorithms, Deep Learning, Software Engineering, Calculus, Recommender Systems, Data Science, Operating Systems, Computer Networks

SKILLS

Programming Languages

C# | C | C++ | PHP | Python | Javascript

Frameworks and Libraries

.NET | Laravel | ReactJS | React Native | NodeJS

Other Skills

Docker | Kafka | Git | TFS | Azure Devops | Machine Learning

Microsoft Dynamics365

Plugin | Webresources | Business Rules | Business Process Flows | Ribbon Customization | Actions

Database

SQL | MongoDB | Neo4J

PERSONAL PROJECTS

CRICFUSION - Final Year Project

React Native, NodeJS, Google maps API, MongoDB, Python

- Research on Estimated Decay Moving Averages to get current player's form for feature engineering.
- Developed Recommender System using unsupervised learning (clustering) to recommend playingXI.
- Implemented a cricket league hosting system with live scoring using React Native and Node Js.
- Designed an Auction Module for Player bidding in Leagues.

Weather Data end to end ETL Pipeline

Apache Airflow, Astro CLI, Docker, PostgreSQL, REST API, Open-Meteo API

- Developed a modular, production-ready ETL pipeline using Apache Airflow with Astro Runtime, automating the extraction, transformation, and loading (ETL) of real-time weather data from the Open-Meteo public API.
- Integrated external APIs and PostgreSQL using Airflow's HTTPHook and PostgresHook for secure, reusable connections.
- Containerized Airflow and PostgreSQL with Docker Compose for local development and testing.
- Automated daily DAG runs via Airflow scheduler with full task monitoring through the Airflow UI.

Expense Management System

.NET MVC | C# | Entity Framework | Microsoft SQL Server | Bootstrap

- Developed a web-based expense management system with role-based access for Employees, Managers, Accountants, and Admins.
- Implemented a multi-step approval workflow with dynamic form calculations and currency validation.
- Enabled reporting, audit logging, and user notifications for actions and status updates.
- Designed filterable listing pages and maintained data integrity through SQL and Entity Framework.

Karachi City FC

Laravel, Bootstrap, MySql, ZKTeco Biometric

- Developed a web-based application for *KarachiCityFC*, a football club in Karachi, using the Laravel MVC framework, enhancing operational efficiency and digital presence.
- Integrated biometric attendance system using ZKTeco devices, streamlining student attendance tracking and improving accuracy.
- Designed and implemented an inventory management module to efficiently monitor and manage the academy's equipment and supplies.

COURSES

Backend Development using ASP.NET, Coursera

ASP .NET MVC5 Course, Udemy

ASP .NET Core Web API, Udemy

Microsoft Dynamics365 & Powerapps Developer Course, Udemy

PHP & MYSQL Certification Course, Udemy

Advanced CSS & Sass, Udemy