

Humayun Aziz

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Summary of Qualification:

- Business Analysis
- System Designing
- Full Stack Development
- Real Time Application Development
- ERP Customization
- Cloud Based App Development
- Mobile App Development
- Microservice Architecture
- Database Designing
- Team Leadership

Skills:

Languages	C++, C#, Python, Java
Frontend	HTML5 , CSS, Bootstrap, JQuery, JavaScript, Typescript, Angular, AngularJS
Backend	ASP.Net Core MVC , ASP.Net Framework, NodeJS (Express), FastAPI, Redis, RabbitMQ, Entity Framework Core
Databases	Oracle, SQL Server, MySQL, PostgreSQL, MongoDB (Familiar)
ERP	ODOO
Mobile	Brew, Xamarin Form(Familiar)
Cloud	Azure
Devops	Github Action ,GitLab, Azure devops
Others	OOA/OOD ,UML, Design Patterns, Enterprise application patterns , Refactoring

Profile

Highly experienced and versatile IT professional with 14+ years of success in business analysis, system designing, full-stack development, mobile app development, ERP customization, and real-time application development. Possesses strong analytical, problem-solving, and communication skills, with a proven ability to collaborate effectively with stakeholders at all levels. Committed to building innovative and user-centric solutions that drive business efficiency and growth.

Employment History

Team Lead

DHA Karachi
Mar 2011 - Present

- Revolutionized property operations by eliminating single-point dependency for crucial files required in 60+ processes. Single handedly designed & developed Digital Archive System, housing over 40 million documents, boosted operational efficiency by 25%, reducing average process completion times by 5 hours. Advanced search, real-time version control, and secure access controls empowered seamless collaboration and enhanced data integrity, leading to a 15% increase in customer satisfaction. Built on a robust C# and ASP.NET Web API backend with a user-friendly AngularJS & Bootstrap interface. Utilizing Entity Framework and optimized LINQ queries for efficient data access and communication with the Oracle database
- Spearheaded the design and development of state-of-the-art RFID-based Vehicle Access System operating across 15 different location. Enhanced security, integrating secure RFID tag identification to eliminate manual log entries and delays, saving an average of 30 sec per vehicle entry. Real-time vehicle snapshots captured on entry reduce accident claims by 15%. Built on a robust C# and .NET Windows Forms architecture with RabbitMQ for seamless data communication and SQL Server for secure data storage. Utilized SAAT RFID readers, WEC200 controllers, and Dahua IP camera for this solution
- Single-handedly combatted fraud and streamlined property-related processes by building a Member Verification System. This system captures member snapshots and biometric data (fingerprints) for real-time verification, significantly reducing fraud risks and eliminating manual authentication delays reduced verification times from 5 minutes to 10 seconds, significantly boosting operational efficiency. Built on a robust ASP.NET Core Web API backend leveraging Webcam.js for secure snapshot capture and a high-grade biometric SDK for fingerprint verification, the system integrates seamlessly with Angular for a user-friendly interface and Oracle as data storage. Utilize EF and LINQ for efficient data communication.
- Empowered 300,000 global members to make secure and convenient Online Payments for property installments, eliminating delays and enhancing customer satisfaction. This innovative solution boosted on-time payments by 20%, generating PKR 2 million in additional revenue annually. Reduced customer service inquiries by 15%, saving 30 agent hours per week. Built with secure C# and ASP.NET Web Forms, coupled with a user-friendly JavaScript/jQuery interface and SQL Server as secure data storage , the system ensures seamless transactions with industry-standard encryption and fraud prevention
- Spearheaded the design, development, and implementation of a centralized SSO platform (DHA Portal) that transformed security, access management, and user experience for our entire organization. This collaborative effort improved security, simplified access management, and enhanced user experience for the entire organization. Built on a robust C# and ASP.NET Web API backend with an intuitive AngularJS interface and Oracle as a data source
- Architected and Launched a Groundbreaking Electronic DAK System empowered 4,000+ users across 40+ entities to collaborate seamlessly, boosting internal productivity by 25%, saving estimated 200 travel hours per month, reducing operational expenses in millions annually, eliminated manual tasks generating document 70% faster, reduced information retrieval by 85% and improved transparency and accountability with real time document tracking and secure e-signatures. Built on a robust C#, Asp.Net Web API, Entity Framework, and LINQ architecture, the system integrates seamlessly with Oracle for secure data storage and leverages Aspose.Word and PDF Sharp for document conversion with an intuitive AngularJS and Bootstrap interface

Reference

Will be furnished on request

- Designed and developed a dynamic Club Feedback App using NodeJS, Angular, Bootstrap, and SQL Server to empower users across 8 diverse clubs within my organization. This tablet-optimized app facilitates comprehensive feedback through interactive surveys, rating systems & open-ended comments, encouraging real-time feedback during club events. Leveraging Express.js and a responsive Bootstrap layout, I built a scalable backend and a touch-friendly Angular interface for an intuitive user experience
- Designed and developed a data-driven Dashboard App utilizing microservices built with FAST API to empower decision-making across my organization. This intuitive app pulls and integrates key statistics from diverse entities like finance, operations, and customer data, visualized through interactive dashboards in a user-friendly Angular and Bootstrap interface. Leveraging microservices facilitated independent development and deployment, improving maintainability and scalability. Data from both Oracle and SQL Server databases is seamlessly accessed and processed,
- Effectively collaborated with stakeholders across departments, including business analysts, developers, and executives, to gather requirements, address concerns, and ensure project success.
- Analyzed and streamlined over 60 business processes in Odoo ERP, resulting in a 20% increase in operational efficiency and a 15% reduction in errors. Developed a custom rental module for Odoo ERP, leading to a 30% increase in online booking rates and a 10% decrease in customer service inquiries
- Managed and mentored junior developers, fostering a culture of continuous learning and skill development.

Outsourced Developer

Sidat Hyder Morsheed Associate (Pvt) Ltd

Jan 2010 – Mar 2011

- Worked on My Mobile Watchdog mobile app build for Verizon Devices using Brew platform(C / C++). This is basically a parenting app used to track child activities on cell phones.
- Wrote JSON parser and replaced XML module, enabling efficient data exchange between the app and website.
- Developed and enhanced a module to synchronize user contacts bi-directionally (website to device & vice versa)
- Designed and implemented the GUI, ensuring a user-friendly and intuitive interface
- Successfully ported the application to over 28 Brew-enabled Verizon devices, demonstrating platform adaptability.
- Created comprehensive technical documents for TBT (True Brew Testing) to facilitate smooth testing and quality assurance.
- Coordinated with the QA department to identify and resolve bugs, streamlining the development process.
- Managed communication with the client regarding releases and handled the entire product lifecycle independently.

Education

MS Computer Science 2007-2009

Fast University

BS Computer Science 2002 – 2009

Virtual University Of Pakistan