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| Summary |

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| An experienced software developer with a master’s in data science and around 7 years of expertise in .NET Core, .NET MVC, ASP.NET, Azure Services, React JS, MySQL, MS SQL, NoSQL Databases like Indexed DB. Proficient in Agile methodologies, with expertise in the complete project development lifecycle (SDLC) and design & development. Currently contributing to a leading international IT company in Malta, collaborating remotely with teams across Europe, Saudi Arabia, and Dubai. |

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| Key Skills & Competencies |

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| Languages:  * + C#, Python, TS, JavaScript, TSQL  Back End Development  * + .NET Core, .NET MVC, ASP.NET (Web API), Entity Framework, ORM  Front End Development  * + React JS, Razor Pages, ES5, ES6, JavaScript, jQuery, HTML, CSS, Material UI, Ant Design  Databases  * + MS-SQL, MySQL, MariaDB, MongoDB, Indexed DB (NoSQL), Firebase, Azure SQL Databases  Azure Services  * + App Services, Azure Functions, Azure DevOps, AAD, Blob Storage, App Insights  Version Controlling  * + GIT, GitHub, Bitbucket, SVN  ORM  * + Entity Framework, Peta Poco, Dapper  Desing and Architecture Patterns  * + Singleton, Repository Pattern, Factory Pattern, MVC, Clean Architecture  Build Tools  * + Azure DevOps, IIS Deployment, React Application on IIS Server  Skills  * + Project Management, Software Testing, Mockups and Prototyping, good communication skills  Software’s  * + Visual Studio, Visual Studio Code, Jupyter Notebook, Postman  Documentation  * + MS-Word, MS-Excel, Google Word, Google Excel, Share Point  Communication  * + MS-Team, Google Meet   . |

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| Academic Summary |

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| * Master of Science in Data Science from NED University * Bachelor of Engineering in Computer Engineering from Bahria University – Gold Medalist |

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| Work Summary |

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| |  |  | | --- | --- | | Dec 2022 – PresentEnvironment:  .Net Core (Web-API, MVC), Razor Pages, MySQL, HTML, CSS, JQUERY, Azure Services, Agile Scrums, Third Party API integration Open Insight, GitHub Job Role:  Lead Software Engineer | Roster Module – (Web & API Application)Developed and managed a dynamic system for employee scheduling and shift management, featuring real-time updates, data validation, and compliance with company policies. The module supports complex shift assignments, ensures seamless integration with other systems, and enhances operational efficiency by automating and optimizing the roster creation process.Responsibilities:Led a development team, coordinating tasks, setting priorities, and ensuring project milestones were met.Coordinated with European teams for integration, ensuring seamless collaboration and alignment with project requirements.Designed and implemented a REST API on .NET core Web API using clean architecture and Singleton design patterns for efficient and scalable backend operations.Developed dynamic form builder components using Razor pages, enabling the creation of flexible and customizable forms within the application.Build .NET Core MVC application from scratch with integrated themes and dynamic screens, enhancing user experience and interface consistency. Integrated internal API in .NET MVC.Monitored AZURE Dashboards for API performance.Implemented multi-layered security measures including JWT authentication, session security, and third-party API security to safeguard the application.Developed 17 dynamic screens from 4-5 core views, optimizing code reuse and reducing development time.Managed the transition and modernization of features from the old roster module, improving functionality and performance.Applied best practices for performance optimization and code maintainability to ensure a robust and efficient system.Utilized x-unit and MOQ frameworks for comprehensive unit testing, ensuring code reliability and functionality.Managed CI/CD pipelines and automated deployments using Azure DevOps, streamlining development processes and ensuring efficient delivery. | |  |

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| Oct 2020 – PresentEnvironment:  .Net Core (Web-API), SAAS, React JS, MySQL, Indexed DB, HTML, CSS, ant Design, Azure Services, Third Party Integration, Agile ScrumsJob Role: Senior Software Engineer | Point of Sales (POS) – (Web & API Application)Developed a comprehensive SaaS POS system that manages sales transactions, inventory, and customer interactions. The system includes features such as real-time sales processing, offline data handling with synchronization, and complex calculations for bulk imports. It supports secure transaction processing with JWT tokens, integrates with various modules for promotions, stock and inventory management, and provides a user-friendly interface for efficient point-of-sale operations. Additionally, it features BI reporting and a data warehouse cube for fast and insightful reporting. Responsibilities:Built REST APIs from Scratch using .NET Core Web API to integrate the system with front-end applications, facilitating seamless data exchangeSuccessfully launched a beta version of the product, which is now being used in restaurants across Europe as a point-of-sale system.Implemented utilities and background services, such as an Email Generator and Sender, and utilized Azure Functions for bulk operations and Inventory Counts Execution process, handling large-scale processes and improving performance.Save and manage all product images on Azure Blob Storage.Developed background services for importing millions of records from CSV files into MySQL, optimizing data handling and integration.Built key front-end screens such as the Product and Point of Sale screens, ensuring user-friendly interfaces.Developed the application architecture from scratch on ASP.NET Core API with a scalable approach, ensuring the system can handle growth and increased load.Designed and implemented two types of databases for a SaaS application:Created a centralized database for common data shared across all clients.Developed individual databases for each client to store specific data and ensure data isolation.Contributed to the design phase by completing 80% of the project UI using React JS and Ant Design, enhancing user interface and experience.Worked with mobile developers to integrate a web view application for mobile platforms, ensuring compatibility and enhanced accessibility.Deployed and managed the application using Azure App Services for reliable hosting and scaling capabilities.Implement SonarQube and verify the production build before deploying the project to a live environment. Designed and implemented CI/CD pipelines using Azure DevOps, automating the build, test, and deployment processes to ensure consistent and efficient delivery of updates.Implemented synchronization for Indexed DB to ensure all data is updated across the browser. Developed mechanisms to automatically update the browser's database whenever a record is entered, maintaining offline sales and ensuring data consistency even when offline. |

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| |  |  | | --- | --- | | July 2021 – Jan 2022Environment:  .Net Core (Web-API), React JS, MySQL, HTML, CSS, Signal R, Material-UI, Azure Services Job Role: Senior Software Engineer | Sports Booking System (Web & API Application)Sports Booking System is a comprehensive platform designed to manage and streamline the booking process for various sports facilities like Tennis, Squash, Paddle, Cricket. Built using .NET Core, Web API, and React JS, this system provides an intuitive and user-friendly interface for both administrators and users. Responsibilities:Utilizes Signal R for real-time updates on booking status, ensuring that all users receive instant notifications of any changes.Worked on micro-services for different modules.Built REST APIs from scratch using .NET Core Web API to integrate the system.Implements a dynamic user interface by integrating Fuse React Theme built with React JS and Material UI, providing a responsive and visually appealing experience for users.Automated notifications are sent to users and administrators upon booking confirmation, cancellations, and modifications, keeping all parties informed.Designed to handle a high volume of bookings and user interactions, ensuring reliable performance under varying loads.Deployed and managed the application using Azure App Services for reliable hosting and scaling capabilities.Developed unit tests for .NET Core APIs and assisted the team with API documentation to ensure reliability and clarity.Integrate Payment gateways like PayPal, APCO etc. | |  |

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| |  |  | | --- | --- | | May 2018 – Oct 2020Environment: ASP.NET, .NET MVC, .Net Core (Web-API), React JS, Stock Data Visualization, MS SQL, HTML, CSS, jQuery, am Charts, AWS, Azure Services Job Role: Software Engineer | Financial News Portal (Web Application)Financial Public Portal is a leading financial information platform based in the Middle East, specifically tailored to deliver comprehensive financial news, market data, and analysis. It serves investors, analysts, and financial professionals by providing up-to-date information and insights into various financial markets, including equities, bonds, commodities, and economic indicators. ResponsibilitiesDevelop solutions to improve the performance and capabilities of systems, ensuring high efficiency and scalability.Design and implement new features using .NET MVC and related technologies.Build and maintain RESTful APIs for seamless data integration and system connectivity.Develop and optimize user interfaces using jQuery and ASP.NET MVC.Design and maintain MS SQL databases, optimizing performance and scalability.Conduct unit testing and troubleshoot issues to ensure a reliable platform.Utilize Azure and AWS deployment tools to deploy all modules, including Public Portal, Control Panel, Akhbar24, and Email Utilities.Create and update technical documentation for code and system architecture. |  |  |  | | --- | --- | | May 2018 – Oct 2020Environment: ASP.NET, .NET MVC, .Net Core (Web-API), MS-SQL, HTML, CSS, jQuery, Azure Services Job Role: Software Engineer | Dynamic Control Panel (Web Application)Dynamic Control Panel that automatically generates user interfaces for CRUD operations. By simply adding a table name, the control panel dynamically creates a corresponding screen for managing that table, including full CRUD functionalities and data listing. This innovative solution streamlined the management of financial content and stock data, integrated Multi-Factor Authentication (MFA) for enhanced security, and utilized background services for efficient data processing and automation. . ResponsibilitiesGenerate a screen using dynamic user interfaces that automatically generate screens for CRUD operations based on table definitions.Implemented CICD pipelines for their legacy code baseImplement a tool that is generate deployment folder by using SVN DirectoryEnsure that generated screens support complete CRUD (Create, Read, Update, Delete) operations with data listing capabilities.Develop and integrate background services for automated tasks and efficient data processing.Implement Multi-Factor Authentication (MFA) to secure access to the control panel.Manage and integrate financial and stock market data within the control panel.Optimize the performance and scalability of the control panel to handle large datasets and high user loads.Work with cross-functional teams to gather requirements and deliver solutions that meet business needs.Conduct thorough testing of the control panel and perform regular maintenance to ensure functionality and reliability. | |  |

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