

IZMA ANWAR

Senior Backend Developer

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Education

Punjab University College of Information Technology,Lahore
Bachelor's Degree in Computer Science | CGPA: **3.45** / 4.0

Lahore, Pakistan
2015 - 2019

Punjab Group Of Colleges
F.Sc (Pre-Engineering)

Sahiwal, Pakistan
2013 - 2015

- **Bronze Medalist** – Awarded for academic excellence among top board performers

Programming Skills

Technologies And Architecture: C#, .NET Core, ASP.NET Core, MVC/Web API, ASP.NET, Entity Framework Core, LINQ, REST APIs, GraphQL, Microservices, Event-Driven Architecture, DDD, CQRS, SOLID, Background Services, Cron Jobs

Frontend/UI And Frameworks: Angular, HTML, CSS, Razor, Bootstrap, TypeScript, JavaScript, Blazor

Messaging and Databases: RabbitMQ, SQL Server, MySQL, Redis , Postgre SQL

Cloud And DevOps: AWS (EC2, Lambda, S3, RDS, CloudWatch), Azure (DevOps, Pipelines, and App Service deployments), Docker, GitHub Actions, OpenShift, Nginx, API Gateway, IIS , Jenkins

Testing: Unit Testing(xUnit) Code Coverage, Integration Testing, E2E API Testing

Code Quality & Analysis: SonarQube

Logging: NLog, Serilog, Log4Net, CloudWatch, Application Insights, File-based Logging

Tools: Visual Studio, Visual Studio Code, SQL Server Management Studio, Git, Jira , Bitbucket , Postman/Swagger

Agile & Collaboration: Scrum, Kanban, Jira, Confluence, Code Reviews, Mentorship, Sprint Planning

Experience

Folio3
Senior Software Engineer
Lahore, Pakistan
2023 - Present
Leading the development of scalable livestock management systems using .NET Core and Blazor, improving operational efficiency and automation across multiple projects.

Rolustech
Senior Software Engineer
Lahore, Pakistan
2019 - 2023
Led backend and frontend development using .NET Core, Angular, and MySQL, architecting microservices, implementing CI/CD pipelines, and enhancing system scalability, performance, and reliability.

AIMRL
Internee
PUCIT, Lahore , Pakistan
2018 - 2019
Developed a student-faculty portal to streamline final year project allocation, enabling smooth coordination between students and supervisors using C#, ADO.NET, and SQL stored procedures.

Projects

Agri Beef
USA
10/2023 - 08/2024

- **UI Development (Blazor & Syncfusion):** Utilized advanced **Blazor** features to enable customizable user settings, grid configurations, and layout preferences, and integrated **Syncfusion** components for interactive dashboards, advanced dropdowns, and responsive UI elements.
- **Caching & Performance (Redis Cache):** Implemented **Redis Cache** to store and share Admin app data across multiple applications, improving system performance and response time by **35%** and reducing redundant requests.
- **Clean Architecture:** Applied the Repository Pattern in .NET Core to maintain clean, modular, and scalable data access logic
- **CI/CD Automation (Azure DevOps):** Implemented automated build, test, and deployment pipelines via Azure DevOps, improving deployment efficiency and reducing manual intervention by **70%**.
- **Code Quality & Analysis (SonarQube):** Integrated SonarQube with Jenkins pipelines to continuously analyze, review, and improve code quality, resulting in a **90% improvement in code maintainability** and cleaner, more reliable builds.
- **Tech Stack:** NET Core, ASP.NET, ASP.NET Core MVC/Web API, C#, SQL Server, Blazor, Azure services (Azure DevOps, CI/CD pipeline), Redis , Jenkins , SonarQube

Projects

Shopify - DAX Integrations	USA
	09/2024 - 03/2025
<ul style="list-style-type: none">Data migration: Utilized GraphQL APIs to extract and migrate data from Shopify (Products, Orders, Customers, and Locations) into SQL-based staging tables for downstream processing.Worker services: Created background workers to automate data synchronization between Shopify and DAX, handling scheduled updates, error retries, and large-volume data transfers efficiently.Inventory and order sync: Implemented logic for managing available inventory, order status updates, and shipment confirmations by integrating DAX inventory staging tables with Shopify fulfillment APIs.Accounting and journal entries: Assisted in the integration of financial transaction workflows, transforming Shopify fulfillment data into DAX journal entries for accurate revenue and cost tracking.System optimization: Improved data reliability and performance through batch processing and staged API calls, ensuring smooth communication between multiple 3PL systems and DAX.Tech Stack : GraphQL, C#, .NET Core, SQL, DAX, Shopify API, Worker Services	
QA System	UK
	04/2025 - 07/2025
<ul style="list-style-type: none">Performance optimization: Diagnosed and resolved major performance bottlenecks in API endpoints where multiple database calls were executed inside loops.Data access optimization: Rewrote inefficient queries using LINQ projections and AsNoTracking, fetching all required data in a single optimized call, which improved API performance by up to 90%.Deployment automation: Created multiple environment-specific appSettings configurations and implemented an Azure DevOps pipeline for automated build, test, and deployment processes.Testing and validation: Conducted end-to-end testing in Azure environments to validate performance gains and ensure stability before production rollout.Tech Stack : NET Core, Entity Framework Core, SQL, Azure DevOps, LINQ, CI/CD Pipeline	
LexCheck	USA
	07/2019 - 10/2023
<ul style="list-style-type: none">Founding Backend Engineer: Founding Backend Engineer for LexCheck, an enterprise contract management platform, built on .NET Core and Clean Architecture.Document Parsing Engine: Built a parsing engine in .NET Core using ANTLR and OpenXML SDK, enabling automated extraction and transformation of structured data from Word/PDF documents.Document Conversion: Implemented PDF document conversion using the Ghostscript library for reliable and high-quality file processing.API Migration: Migrated over 420 APIs from ASP.NET MVC 4.8 to .NET 6 microservices, improving scalability, maintainability, and reducing response times by more than 30%.Microservices Architecture: Architected microservices using Clean Architecture, RabbitMQ, and event-driven design to enhance performance, flexibility, and reliability.Design Patterns: Applied the Factory Design Pattern in the email module to eliminate conditional logic, improve code readability, and enhance maintainability by approximately 40%.Email System Migration: Migrated the email handling system from MailKit to MailGun to overcome bulk email processing limitations, achieving 80% improvement in reliability and delivery performance.Resilience & Reliability: Implemented retry and resilience mechanisms using Polly, resolving issues caused by system load and improving client satisfaction by 50%.Real-Time Communication: Integrated SignalR to enable real-time push notifications on the client dashboard for instant updates on incoming emails.Revamp Client Side: Revamped UI/UX design leveraging the latest Angular version, incorporating pivotal concepts such as modular components, reactive forms, Directives and efficient routing. Employed advanced Angular features like dependency injection and Observables and RxJS, enhancing user experiences through a streamlined and responsive application interface .CI/CD & Cloud Deployment: Implemented CI/CD pipelines using GitHub Actions and Docker, managing deployments on AWS EC2 and Azure to streamline build, test, and release workflows.Code Quality and Review (SonarQube): Used SonarQube to perform PR-level code analysis and maintain clean, reliable, and compliant code by 90%.Leadership & Agile Delivery: Led a cross-functional team of five (four developers, one QA), managing sprint planning, daily standups, and client discussions. Actively participated in requirement analysis, task assignment, and mentoring, ensuring timely delivery of production-ready releases.Business Impact: Delivered multiple sub-products that exceeded client expectations and contributed to LexCheck's \$17M Series A funding led by Mayfield Fund.Tech Stack: Angular, .NET Core, ASP.NET Core, Web API, C#, MYSQL, AWS Services (EC2, Lambda, S3 Bucket, Cognito, CloudWatch, Redis, RabbitMQ, AWS) , Azure services (Azure DevOps, CI/CD pipeline)	

Projects

Student Faculty Portal

Pakistan

2018 - 2019

- **Requirement gathering:** Collaborated with faculty members to gather and analyze requirements for a student–faculty portal to manage final year project allocations and supervision.
- **Front-end development:** Built responsive and user-friendly interfaces using HTML, CSS, JavaScript, and jQuery, ensuring smooth navigation and interaction.
- **Back-end development:** Developed backend logic in ASP.NET using C#, integrating with SQL Server through ADO.NET and stored procedures for efficient data handling.
- **Database design:** Designed and optimized SQL tables and stored procedures to manage student, faculty, and project information securely and efficiently.
- **Tech Stack :** C#, ASP.NET (Razor), ADO.NET, SQL, HTML, CSS, JavaScript, jQuery