

IZMA ANWAR

Senior Backend Developer

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Education

Punjab University College of Information Technology,Lahore	Lahore, Pakistan
Bachelor's Degree in Computer Science CGPA: 3.45 / 4.0	2015 - 2019
Punjab Group Of Colleges	Sahiwal, Pakistan
F.Sc (Pre-Engineering)	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	Lahore, Pakistan
Senior Software Engineer	2023 - Present
Leading the development of scalable livestock management systems using .NET Core and Blazor, improving operational efficiency and automation across multiple projects.	
Rolustech	Lahore, Pakistan
Senior Software Engineer	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	PUCIT, Lahore , Pakistan
Internee	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
<ul style="list-style-type: none">• 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

- **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

- **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

- **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)

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