Usman Sharjeel

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EDUCATION

FAST NUCES Islamabad — Islamabad, Pakistan
Bachelor of Science in Software Engineering — *Aug. 2020 – Jul. 2024*

Superior Group of Colleges — Mianwali, Pakistan
FSc Pre-Engineering — *Aug. 2018 – May 2020*

EXPERIENCE

S&P Global, Pakistan — Dec 2024 – Present
Software Engineer II - MI — *Islamabad, Pakistan*

- Developing enterprise applications using .NET within the proprietary Hydra framework.
- Writing and optimizing stored procedures (Hydrobs) in MS SQL Server and PostgreSQL for efficient data operations.
- Creating and maintaining Hydra Pages using the company's XML-based templating system.
- Contributing to front-end development using React, integrated with Hydra backend services.
- Working with GraphQL for querying and manipulating data across complex enterprise modules.
- Collaborating in Agile Scrum teams, participating in sprint planning, daily standups, and retrospectives.
- Skills: .NET, MS SQL, PostgreSQL, GraphQL, React, XML, Agile, Scrum, Hydra Framework.

TechFlo — Jul 2024 – Dec 2024
.NET Developer - Full Time — *Islamabad, Pakistan*

- Developing and maintaining a wide range of enterprise-level web applications using the .NET framework and C#.
- Implementing front-end functionalities using JavaScript frameworks while ensuring smooth integration with back-end services.
- Building and maintaining RESTful APIs that are consumed by various microservices and front-end platforms, improving system scalability.
- Collaborating with business analysts and team members to define and refine project requirements for optimal project delivery.
- Ensuring code quality by writing unit and integration tests, following SOLID principles and best practices.
- Conducting code reviews and performance optimizations to reduce technical debt and enhance software performance.
- Skills: C#, .NET Core, Web APIs, SQL Server, JavaScript, Agile Methodologies.

Friendsware Solutions — Apr 2024 – Dec 2024
Software Engineer - Part Time — *Islamabad, Pakistan*

- Contributed to the development of cloud-based applications using Azure, utilizing .NET, Java, and SQL Server.
- Worked closely with cloud architects to implement cloud-native applications with a focus on scalability, high availability, and fault tolerance.
- Led efforts to integrate DevOps pipelines using Jenkins and Docker, automating the build, test, and deployment processes for Java applications.
- Mentored junior developers on effective programming techniques, debugging, and best practices for cloud development.
- Enhanced system reliability and optimized database queries, leading to performance improvement in database transactions.
- Collaborated on large-scale integration projects for banking clients, streamlining workflows with third-party APIs.
- Skills: Azure, Docker, Java, .NET, SQL Server, Cloud Infrastructure.

Freelance Software Developer — Sep 2021 – Dec 2024
Remote

- Designed and developed custom software solutions for small businesses, including web applications and desktop utilities.
- Built dynamic web applications using the MERN stack (MongoDB, Express.js, React, Node.js), delivering responsive and scalable solutions.
- Integrated payment gateways and third-party APIs, improving functionality for client e-commerce applications.
- Developed custom automation tools using Python to streamline client workflows, saving operational costs.
- Consulted clients on tech stack decisions and architecture, ensuring efficient and maintainable systems.
- Skills: MERN Stack, Python, API Integration, Client Communication.

PROJECTS (INDIVIDUAL)

CogniDraw | *MERN Stack, Python, Transformers*
- Developed an AI-powered diagram generation tool aimed at automating the creation of technical diagrams based on user prompts.
- Leveraged the Transformers library for natural language understanding and dynamic generation of UML and architecture diagrams.
- Built an intuitive user interface using React and integrated it with a Node.js backend that communicates with Python services.
- Implemented cloud storage for project data, allowing users to save and retrieve previous work seamlessly.

Hostel Management System | *.NET, SQL Server*
- Developed a full-stack .NET MVC application to manage tenant information, rent payments, and inventory for hostels.
- Implemented role-based access control and ensured secure data handling with encryption for sensitive tenant data.
- Optimized SQL queries to improve application performance, reducing response time.

Insurance Management System | *.NET, Razor Pages, SQL Server*
- Built an insurance management system with Razor Pages for policy management, claim submissions, and customer interactions.
- Implemented a responsive front-end with Bootstrap and ensured smooth data handling using Entity Framework Core.
- Designed and integrated role-based authentication for different user types including agents and customers.

Point of Sale System | *MERN Stack*
- Developed a comprehensive Point of Sale system for small businesses, integrating React for a seamless user interface and Node.js as the backend.
- Utilized MongoDB for inventory and transaction management, and implemented real-time updates for sales data using WebSockets.
- Integrated payment gateways for handling secure transactions.

Extended Chess Game | *Java, JavaFX, Maven*
- Developed an advanced chess game in Java with custom pieces, extending standard chess rules and mechanics.
- Designed an intuitive GUI using JavaFX, enabling users to play against both AI and human opponents.
- Utilized Maven for managing project dependencies and ensuring a scalable codebase.

TECHNICAL SKILLS

Languages: C#, Java, Python, JavaScript, SQL (SQL Server, Postgres), TypeScript, HTML/CSS
.NET Development: .NET Core, ASP.NET, MVC Architecture, Web API, Entity Framework, LINQ, Blazor, Razor, Webforms
Java Development: Java SE, Java EE, JavaFX, Spring Boot, Servlets, JSP, Hibernate, JPA, Maven, Gradle
MERN Development: MongoDB, Express.js, React, Node.js, Redux, Mongoose, REST APIs
Developer Tools: Git, Docker, Jenkins, Azure, AWS, Visual Studio, IntelliJ IDEA, Postman, JIRA
Libraries: Transformers, Pandas, NumPy, Matplotlib, Bootstrap