Abdul Rehman Aziz

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EDUCATION

Comsats University, Islamabad Lahore, PB
Bachelor of Science, Computer Science July 2023
IEEE-CUI IAS Media Director
Relevant Coursework: Web Technologies, Databases, Computer Networks, Mobile App Dev, Object Oriented Programming.

SKILLS

Languages: C#, VB6, VB.NET, SQL, TypeScript, JavaScript, HTML, CSS, Python,
Frameworks & Tools: .NET (Core & Framework), SQL Server, React, Azure, AWS, WebForms, xUnit, Docker
Concepts: APIs (REST, GraphQL), CI/CD, Agile Methodologies (Scrum, Kanban), Test Driven Development

EXPERIENCE

Contour Software| DIS | Software Developer Sep 2024 — Present

Quipware (Dealership Management Software for Lift truck and construction)

- Collaborated on the migration of legacy VB6 codebase to the modern .NET ecosystem by refactoring tightly coupled VB6 business logic into C# REST APIs and replacing ActiveX-based UI with React components.
- Redesigned and revamped the application's UI in parallel by modernizing resizing mechanisms and sidebar, enhancing ActiveX controls for improved responsiveness while ensuring compatibility with existing COM components (DLLs).
- Identified and resolved performance bottlenecks in the application, optimizing DB queries, memory usage and more.

Technologies/Tools: .NET Core, React, SQL Server, VB6, REST APIs, Git, SVN

Devsinc | *Software Engineer- I* March 2023 — Sep 2024

AfterschoolHQ (Activity management platform for schools and parents)

- Fixed defects and contributed to the migration of the application from MVC to React by implementing RESTful APIs for the existing MVC pages, to be consumed by React. This allowed particular clients to view different UI based on package feature flags.
- Pioneered the implementation of custom subscription model including prorated billing subscription for tenants, resulting in a **27%** increase in revenue as users were more inclined to register with flexible payment options.
- Developed and executed **200+** unit tests using xUnit, contributing to reduction in post-release issues.

Technologies/Tools: .NET Framework MVC, Azure Functions, React, SQL Server, Stripe API, AWS Lambda, xUnit.

Techlogix | *Software Developer Intern* Jul 2022 — Sep 2022

Campus On Cloud (COC) (Student Information System)

- Worked in a team of **3** interns to revamp COC, by fixing defects and participating in various Scrum ceremonies including sprint planning, daily standups, retrospectives, and backlog refinement.
- Worked on the development of multiple modules including approval workflow, online admission fee payments.
- Accomplished user review rating of **93%** positive feedback from custom survey solution.

Technologies/Tools: C#, .NET, LINQ, Entity Framework (EF) Core, SSMS.

NexusBerry | *Javascript Developer Intern* Jul 2021 — Sep 2021

- Worked on enhancement of a web app for catering company. Learned about CI/CD pipelines, containerization and feature flagging.

PROJECTS

ARTficial **(GitHub)**

- Worked under the supervision of Dr. M. Aksam Iftikhar for extension of the original Neural Style Transfer algorithm for correction of synthetic look of images by proposing changes for Gram matrix alteration, style loss modification and more.
- Developed a 3-tier architecture application as a social platform where users can stylize their images using the model.

Technologies/Tools: React, Chakra UI, AWS EC2, Flask, Express, Node, OpenAI API, MongoDB, Cloudinary.

AWARDS & ACHIEVEMENTS

- **Interns.pk Trainee Program** | Securing top **20%** in the national leaderboards of August batch. Aug 2021 —Sep 2021
- **Backend Development and APIs**| Certification March 2022 —April 2022
- **SOFTEC'22 Hackathon** | Represented CUI at Pakistan's largest hackathon March 2022