

MUHAMMAD AWAIS

SOFTWARE ENGINEER

CONTACT



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Islamabad, Pakistan

SKILLS

Programming Languages: C#, Vb.Net, Python
Desktop Development: .NET Framework, Windows Forms, Crystal Reports, Dev

Express Controls, Dev Express Reports, Microsoft Reports, Cef-Sharp, N Tier Architecture, Ado.Net, Desktop UI Automation, OCR

Web Development: MVC, HTML, CSS, JavaScript

Database: SQL Server (Views, Sps, Cursors)

Tools: Visual Studio, TFS, Git, Azure DevOps, Inspect, Power Automation

Methodologies: Agile/Scrum

Problem Solving: Algorithm design, Debugging, Performance Optimization

Soft Skills: Team Leadership, Collaboration, Communication

EDUCATION

MS(SE)

Master of Sciences in Software Engineering

**Bahria University
Islamabad**

Pakistan

2011-2013

BSCS(Hons)

Bachelor of Science in Computer Science

Karamoram

International University

Gilgit Pakistan

2007 to 2011

LANGUAGE

Urdu

English

Arabic

REFERENCES

Available upon request.

PROFESSIONAL SUMMARY

Experienced Software Engineer with a proven track record of designing, developing, and delivering high-quality software solutions using .NET. Proficient in converting intricate requirements into scalable, maintainable, and efficient code. Demonstrated ability to collaborate seamlessly with cross-functional teams to deliver innovative software products. Possesses strong problem-solving skills and a deep enthusiasm for staying current with emerging technologies

WORK EXPERIENCE

Software Engineer

Wiseman Innovations Islamabad

9/3/2023 to Current

- Responsible for support, development and bug fixing of Point of Care (Health Care system used by Physicians/Doctors in America) using .NET and C#, meeting or exceeding all project milestones and quality standards.
- Integrate US Based Electronic Medical Record (EMR) Systems with POC to provide Patient Care Data of Different Practice ACO, S to Physicians/Doctors in US Using UI Automation Techniques.
- For Desktop EMR Systems:** Utilizing UI automation techniques with Tesseract OCR, Iron OCR, EasyOCR (via Python), C#, and the inspect tool to capture patient details such as names and dates of birth from the EMR application. The OCR process extracts text directly from the EMR interface, recognizing elements visually, including patient demographic data.
- For Web EMR Systems:** Leveraging JavaScript along with XPath and HTML elements to extract patient demographic data from the EMR's web interface.
- This approach uses UI automation techniques to programmatically interact with web elements, ensuring accurate data capture from the web-based EMR system.
- Collaborated with QA engineers to design and execute comprehensive test plans.
- Participated in architecture and design discussions, contributing to the evolution of the company's software development best practices.
- Actively participated in Agile/Scrum processes, including sprint planning, stand-ups, and retrospectives, ensuring efficient project delivery.

Team Lead Software Engineer

Carbon8 Pvt Ltd Islamabad

1/1/2022 to 15/3/2023

- Responsible for support, analyst, design, development and implementation of Insurance software to support business needs.
- Worked on, modifications, and new development of Insurance System. It Includes Illustration, Insurant, Issue Policy, Premium Vouchers, Pending Payment, Payment Realization, Late Payment, Short Payment, Claim, Maturity, Surrender Value Calculation, Insurant Reports, Fields, Staffing, Otp, Email Alerts.
- Mentoring and leading junior level software engineers
- Responsible for monitoring primary (Pr) and data recovery (Dr) servers, ensuring full and differential database backups. Collaborated with Comsat's server team to ensure nationwide server availability. Successfully optimized database queries to enhance application efficiency
- Responsible for deploying development updates to the server using ClickOnce technology and utilizing GitHub for code versioning.

Senior Software Engineer

Casual Wear Apparel Zarqa Jordan

1/11/2013 to 1/1/2018

- Led a team of developers in designing and implementing Enterprise Resources Planning (ERP) using .NET (Vb.net, C#, Crystal Reports, Dev Express Tools, SQL Server, Desktop Development).
- Collaborated closely with Manager and ERP Team to define requirements and specifications, ensuring alignment between technical solutions and business objectives.
- Mentored junior developers, conducted code reviews, and provided technical guidance to enhance the team's skills and ensure code quality.
- Investigated and resolved complex technical issues, optimizing application performance and improving user experience.

Visiting Lecturer

Karakoram International University Gilgit

1/3/2018 to 30/12/2021

Subject Specialist

Army Public School & College Jutial Gilgit

1/8/2018 to 30/12/2021