
SUMMARY OF EXPERIENCE

- 8+ years of experience in software and industrial automation. Having diversify experience in development, design and commissioning of software, industrial automation, SCADA implementation with state-of-the-art tools, technologies, and design engineering processes using agile and V process models.
 - Microsoft Certified Professional.
 - Experience in developing the cloud, web and window-based applications.
 - Proficient in project planning (execution, monitoring and control) and effort estimation.
 - Hard-working, Result Oriented having dedicated professional approach to accomplish the challenges even under pressure.
 - Strong Interpersonal and communication skills with an ability to lead a team and keep them motivated.
 - Progressive attitude with desire to learn leading-edge technologies to advance product innovation and revenues.
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SKILLS AND KNOWLEDGE AREAS

Languages	C#.Net, SQL, HTML5, JavaScript, CSS, Python
Cloud Platform	Microsoft Azure: Azure Data lake, SQL Server, Data Explorer, Stream Analytics, Azure Functions.
Databases	Microsoft SQL Server ,MySQL
Frameworks, Libraries and Tools	ASP.Net Core 5.0, MVC, Entity Framework 6.0, React JS, Typescript, Semantic UI, Bootstrap Microsoft Visual Studio, VS Code
Reporting	SQL Server Reporting Services
IT. Infrastructure	Virtualization, VMware
Automation Software's:	Rockwell FTView, Wonderware Archestra, RSLinx
Communication	OPC
Management Tools	GitHub, Microsoft Project, TortoiseSVN

PROFESSIONAL EXPERIENCE

Lead Software Engineer – AVANCEON Lahore

March 2018 – Present

- Analyze system specifications and translates system requirements to task specifications for junior programmers and guiding them on good and robust coding practices.
- Extensively involved in site surveys, requirement gathering, client meetings, detailed module design, development, deployments, commissioning, FAT/SAT documentation and effort estimation.

Key Projects	<p>Quality Lab Data Digitization-PEPSI Pakistan <i>Achieved 100% client satisfaction score and as a result same project with additional scope awarded for PEPSI Lahore plant.</i></p> <p>Tools: ASP.NET MVC, Entity Framework, Signal R, Ajax, SQL Server, JavaScript</p> <p>Details:</p> <ul style="list-style-type: none"> This web-based application is developed in MVC with SQL Server. The purpose of the application is run parallel multiple clients' views about the analysis of the product quality and send attribute's values to the admin panel in real time using signal R.
	<p>ITS - Intelligent Transportation System AL-Muntaza Project Qatar <i>Achieved a 99% client satisfaction score and as a result company wins two more BIG ITS projects.</i></p> <p>Tools: C#, Web Service, SQL, OPC, WonderWare, NTCIP TMDD</p> <p>Details:</p> <ul style="list-style-type: none"> Develop LCS (Lane Control Sign) and DMS (Dynamic Message System) applications that enable operators to view and control on-field LCS and DMS devices via Wonderware over OPC. Web services (Publish/Subscribe) to switch field controls between Wonderware and 3rd party SCADA following NTCIP (National Transportation Communications ITS) C2C protocol. Web (Publish/Subscribe) and console based client services to acquire and persist field devices data in database following NTCIP C2C protocol.
	<p>OmniConnect (Industry 4.0 Product for System Integrators and Enterprise)</p> <p>Tools: Python, Azure Data Lake, Azure Data Explorer, ADX, SQL, OPC</p> <p>Details:</p> <ul style="list-style-type: none"> Read Cloud Configuration Data from SQL Creating Automated Python Scripts to make an environment on cloud according to Configuration. Using Azure Data Explorer for data storage and data processing (Batch and Real Time) Computing Averages, Aggregations and Historical Trends using KQL. Storing Data within ADX for Short Term and Exporting data to data lake and SQL. Creating Optimized queries for Data Visualization in Power BI through ADX.
	<p>DWRMS – Digitized Work Order and Resource Management System for PAIE Pakistan</p> <p>Tools: ASP.Net Core 5.0, Entity Framework 6, Identity, React JS, Typescript, Semantic-UI, SQL</p> <p>Details:</p> <ul style="list-style-type: none"> Design and develop DWRMS that is Web API based document management solution to digitize proposal, project, technical support, H&SE processes. It follows clean architecture structure and API first approach.

Senior Software Engineer – AVANCEON Lahore

April 2015 – March 2018

- Extensively involved in site surveys, requirement gathering, client meetings, detailed module design, development, deployments, commissioning, FAT/SAT documentation and effort estimation.

Key Projects

IPC Data Acquisition– Pakistan Tabaco Company

Increase floor visibility, which eventually helps in improving machine productivity.

As a result, similar project was awarded by PTC for their Akora Khatak factory.

Tools: C#,ASP.Net, SQL, Microsoft SSRS

Details:

- Develop window service to gathers live data from all IPC machines over floor and persist in database.
- Develop web based performance dashboards and reports using ASP.Net, Google Charts and Microsoft SQL SSRS.

Manufacturing Execution Systems (MES) – Nestle

Tools: MES Client, SQL, Wonderware Archestra

Details:

- (MES) is a production-oriented software that manages, monitors, and synchronizes the execution of real-time, physical processes involved in transforming raw materials into intermediate and/or finished goods.
- My role is to configure the MES system with EGRON – 2 Manufacturing process using SQL, MES Client and Wonderware Archestra.

Software Engineer – AVANCEON Lahore

April 2013 – March 2015

- As Software Engineer, I was enormously involved in developing, testing and delivering bespoke software solutions.

Key Projects

Product Integrity &Traceability PTC (Pakistan Tobacco Company) Pakistan Jhelum

Tools: C#,ASP.Net, SQL, Microsoft SSRS, VBA and OPCDA.NET

Details:

- PI&T maintains the integrity and tractility of product throughout the manufacturing process.
- Develop and implement web application, several reports and window services.

CIP Web Reporting– Nestle Pakistan

Tools: C#,ASP.Net, SQL, Microsoft SSRS and OPCDA.NET

Details:

- A web based solution that include backend service to captures the whole CIP process model asynchronously for several production lines, histories it into database and generate reports over web.

Technical Sales and Support Officer – Generation Systems

March 2009 – July 2011

- Making Quotations for Tenders and individual clients.
- Managing company's website and looking after customer's technical support.

EDUCATION

MS in COMPUTER SCIENCE

NATIONAL UNIVERSITY OF COMPUTER & EMERGING SCIENCES (FAST-NUCES)

- MSCS Thesis: Dimensionality Reduction for Classification Accuracy using Multi Objective Firefly Algorithm

Bachelor of INFORMATION TECHNOLOGY

PUNJAB UNIVERSITY COLLEGE OF INFORMATION TECHNOLOGY (PUCIT)

UNIVERSITY OF PUNJAB

- Final Degree Project: Development of Call Center

DISTINCTIONS

- Publication- Cost Effective Home Automation System with offline mode controller and speaker verification (Voice commands) for handicapped.
 - <http://www.gsconferences.com/published>
- Microsoft Certified Professional
- Big Data Course from Dice Analytics
- PMP training Workshop by PIM.

CO-CURRICULAR ACTIVITIES

- Member of College Hockey Team and represent team in tournament.
- Member of Punjab University Cricket Team and represent team in inter college tournament.

REFERENCES Will be provided on request.
