

Basharat Hussain IT Solution Architect & Lead, Lecturer

Professional Summary

Address H.#B-648, Phase#5, Officers Colony, Wah Cantt, Pakistan.

Mobile & Mail +92 300 510 6398 basharat@live.com

Design/Arci.

DDD, Design Patterns, Layered, Onion, Event-driven, SOA, Enterprise Architect, Micro-Kernal, Draw.io, UML, RabbitMQ, Grpc, SignalR, Messaging, Cloud Computing

Technologies

.NET Core. C#. ASP.NET Core. Web Services, WebAPI, JSON, JQuery, JS, HTML5, LINQ, VC++, COM/DCOM, STL, VB6, Java, Angular, Typescript, React, SQL server, Postgres, MySQL, DB2, MongoDB, WCF, WinForm, SOA, ADO.NET, GraphQL, Microservices. Resharper, TFS, GIT, DevOps, Cloud-based Models, Python

More than 24 years of experience in the software industry, working as an Architect, Designer, and Analyst for highly available, scalable, and robust enterprise Applications.

Experience in leading and managing project teams from inception to go-live phases. Exceptionally vital skills in building complex and highly available product architectures by utilizing domain-driven and service-oriented application styles.

Experience working with Fintech Banking Apps, Anti-money laundering, Rule-based Compliance, and Data processing. Experience in designing highly scale-able, plug-able architectures using RabbitMQ, Event/delegates, SignalR, and Grpc frameworks for large-scale projects.

Working as a Senior Lecturer with the Faculty of Computing, Riphah International University, Islamabad. Research interests: ML, AI, Data Analysis, Blockchain, IoT, and Vertical Federated Learning.

Education

2019 - Now	Pursuing PhD in Computer Science Interests: Deep Learning, Federated Learning,	COMSATS University, Wah Campus Traffic Prediction
2014 - 2016	Distinction, M.S. Degree in Computer Scien	ce IIUI, Islamabad
2008 - 2008	Software Project Management (Course)	CASE, Islamabad
1998 - 2001	Master's Degree in Computer Science	IIUI, Islamabad

Academic Experience

2024 - Now	Lecturer, School of Computing, FAST NUCES, Islamabad. Cloud Computing, Data Mining, Software Engineering	Permanent
2020 - 2023	Senior Lecturer, Riphah International University, Islamabad Software Design & Architecture, Web Development, Could Com	
2016 - 2017	COMSATS University (Wah campus), Wah Cantt. Software Engineering, Web Engineering, Computational Intelligen	Visiting Faculty ence

Research Work

B. Hussain, M. K. Afzal, S. Ahmad and A. M. Mostafa, "A Novel Graph Convolutional Gated Recurrent Unit Framework for Network-based Traffic Prediction," in IEEE Access, 2023, doi: 10.1109/ACCESS.2023.3333938.

B. Hussain, M. K. Afzal, S. Anjum, I. Rao and B. S. Kim, "Intelligent Traffic Flow Prediction Using Optimized GRU Model," in IEEE Access, vol. 9, pp. 100736-100746, 2021, doi: 10.1109/ACCESS.2021.3097141.

Domains

Deep Learning, Blockchain, Al, Encryption, Fin-Tech, Biometric Authentication, eVoting, Raspberry Pie, BPM, Insurance, Fuzzy Logic, Neural Networks. eCommerce, Appointment Booking, GDPR, Security, Compliance, FinTech, Peer-2-Peer Apps, Data Scrapping, Selenium, Cloud Computing, DevOps, Data Analysis, AI, ML, IoT, Vertical Federated Learning

Work Experience

03/19 - 02/20 Team Lead / Architect / Developer

Self Employment

- · Design and architecture of the client project from begining
- Developed a notification framework using SignalR and real-time tracking.
- · Schema design of the Asset tracking system in MongoDB
- Ensuring successful quality and user acceptance acceptance testing

03/17 - 02/19 Consultant - Design & Development Integrated Enterprises, Islamabad, Pakistan

- Managing Product Design & Development
- Standardized Code Implementation
- ASP.NET Core, Boiler Plate, LINQ, HTML5, JQ, JS, Fluent Validation, Pay-Pal, Stripe, ACH Account, Wallet, Financial Transactions

09/16 - 02/17 **Software Development**

Self Employment

- Managing Product Architecture & Design from Inception till Releases
- Identify Business & Stakeholder Requirements, transform Technical Specs
- Code Implementations
- Managing DevOps, CI/CD using VSTS.

01/13 - 08/16 Architect & Tech Lead

Synergy-IT, Islamabad, Pakistan

- Software & Enterprise Architecture Solutions
- E-commerce solution with Sitecore & SEFE
- Running projects in parallel and Assisted in business strategy

04/10 - 12/12 Solution Architect & Staff Engineer

TEO Pvt. Ltd., Islamabad, Pakistan

- Developed Service Oriented projects in .NET technology
- Developed Continuous Integration using FxCop, and CruiseControl.Net.

02/05 - 04/10 **Software Architect & Technical Lead** Ciklum Pakistan (Pvt.) Ltd., Pakistan

- Worked as Technical lead on Insurance domain called 'European Insurance'.
- Visited Denmark for Business Requirement Elicitation on 'Dangaard'.
- Developed a core P2P file sharing engine in C++/STL for 'Eovendo'.

10/02 - 02/05 Senior Software Engineer

Workplains (Pvt.) Ltd., Pakistan

• Designed/developed WORK+ rule-based engine for routing Workflow business processes. VC++, COM/DCOM, STL, ActiveX, VB6, SQL Server & DB2.

11/01 - 06/02 Software Engineer

Buraq Integrated Solutions, Pakistan

• Worked as developer on Document Management System Modules.

03/01 - 11/01 Software Engineer

Neo Solutions, Pakistan

• Worked as developer in VC++, COM/DCOM, ATL, and VB.

(References Available Upon Request.)