

# MUHAMMAD RAZA US SAMAD

Software Architect | AI Engineer | Senior .Net Full-Stack Engineer

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## CAREER SUMMARY

Seasoned Software Architect and Full-Stack Developer with 14+ years of experience in designing high-performance, scalable applications. Specialized in C#, ASP.NET, .NET Core, ReactJS, and cloud-native architectures. Proven expertise in Kubernetes, microservices, PaaS, and both relational and NoSQL databases. Skilled in leading cross-functional teams and delivering secure, enterprise-grade solutions from concept to deployment.

## PROFESSIONAL EXPERIENCE

Senior .Net Developer – Team Lead    Apr '25 – Present  
**Digi Trends**    (Saudian Company)    Karachi, Pakistan

- Manage and lead team of 4 -persons.
- Work on AMC’s customer on-boarding solutions.
- Integrate AMC’s trading solutions with Odoo ERP, Mozn, Al-Elm, and other government services.

Principal Software Engineer – Team Lead    Jan '21 – Mar'25  
**Avanza Solutions**    Karachi, Pakistan

- Manage and lead cross-functional teams of 6 -persons.
- Technical Product Manager of Card Management Solution.
- Develop a transaction processing system using message broker.
- Develop Settlement Manager solutions for VISA, MASTERCARD, CUP and NPS.
- Develop a system to integrate applications with RAAST; the payment gateway.
- Provide applications consultancy to sales team and clients.
- Work with major banks of Middle-East, Africa & Pakistan including Ajman Bank, Bank of Bahrain & Kuwait, Khaleeji Bank, Investrust Bank, HBL, Meezan, and many more.

Senior Software Engineer    Dec '12 – Dec'20  
**Avanza Solutions**    Karachi, Pakistan

- Core development and unit testing of .Net products.
- Design applications for Cloud-based notification services.
- Develop solutions for card monitoring, management & reporting systems.
- Develop a system to integrate applications with EFTS-Bahrain gateway.
- Develop a system for Prepaid Card solutions & apps for NFC Card solutions.
- Conduct technical training on FinTech products and technical interviews.
- Transform banking products to PCI-DSS complaint solutions.

## KEY ACHIEVEMENTS

**Academic Scholarships**  
Awarded 8-times merit-based scholarships for academic excellence during graduation.

## TECHNICAL SKILLS

- Languages**  
C#    ASP.Net    Python    JavaScript  
HTML/CSS
- Frameworks & Libraries**  
.NET Core    ReactJS    LINQ    EF Core
- Cloud Platforms**  
**AWS:**    EC2    S3    RDS    Lambda    Beanstalk  
**Azure:**    SQL    App Service    Functions  
Blob Storage    Kubernetes Service  
Service Bus    Cosmos DB  
**GCP:**    Firebase
- AI/ML & LLM**  
RAG    HuggingFace    FAISS    Mistral
- Architecture Designs**  
Microservices    SOA    CQRS    Layered  
Monolithic    Event-Driven
- Messaging & Event-Driven Systems**  
Kafka    MassTransit    RabbitMQ    NATS
- Containerization & Orchestration**  
Kubernetes    Docker
- Logging & Monitoring**  
Elastic Stack (ELK)    SeriLog
- Web Services & APIs**  
RESTful APIs    gRPC    Web APIs    WCF  
Socket Programming
- Authentication & Security**  
JWT    OAuth    HSM Programming
- CI/CD & DevOps**  
GitLab CI/CD    Git    SVN    Linux
- Reporting & Analytics**  
SSRS    Crystal Reports    Telerik Reports

Software Engineer

Itim Systems

Oct '11 – Nov '12

Karachi, Pakistan

- Development of multi-regional *Inventory Management System*.
- Development of P2P web-application *Managed Laboratory Services*.
- Fix reported issues, and response to RFCs.

Software Engineer

Techweavers I.T. Solutions

Mar '11 – Sep '11

Karachi, Pakistan

- Complete development of small projects from start-to-end.

## EDUCATION

Master of Business Administration in Finance

Karachi Institute of Economics & Technology (KIET)

2012 – 2016

Karachi, Pakistan

Bachelor of Science in Computer Science

Hamdard University

2006 – 2010

Karachi, Pakistan

## PUBLICATION

Community Health Information System: Focus on Pakistan

5th International Conference on Information and Communication Technologies.

[ url: [bit.ly/pk-chis](#) ] (IEEE, Pakistan)

## CERTIFICATIONS

Certified Microsoft .Net Specialist

APTECH Pakistan

Completion: January 2009

## PROFESSIONAL DEVELOPMENT

- AI For Everyone – Coursera (DeepLearning.AI), 2025
- Generative AI Models and Architecture – Pluralsight, 2025
- AWS Essentials – AWS Skill Builder (Amazon Web Services), 2025
- Microservices Communication in .NET Core – Pluralsight, 2025
- Getting Started with Apache Kafka – Pluralsight, 2025
- Scaling Applications with RabbitMQ – Pluralsight, 2025
- Query Optimization in SQL Server – Pluralsight, 2025
- Asynchronous Programming in C# – Pluralsight, 2025
- CQRS in Practice – Pluralsight, 2025

## PERSONAL PROFILE

Date of Birth

Gender

Marital Status

Languages

19th August 1988

Male

Married

English (C1)

Urdu (Native)

## EXTRA CURRICULAR EXPERIENCE

Academic Experience

Participated in various software competitions and technology events across Pakistan.

Professional Development

Self-taught in trending technologies and continuously improving skills.

## HOBBIES AND INTERESTS

[Blogging](#) [Travelling](#) [Reading](#) [Swimming](#)

## REFERENCES

To be furnished upon request