

# Umair Abid

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## PROFILE

Technical Lead with 9+ years of experience in Software Development Life Cycle **SDLC**. Involving in Requirements Gathering, Analysis, Logical Physical Architectural Modeling, Design, Development, Testing, Implementation and Production Support.

## WORK EXPERIENCE

### Tahaluf Al Emarat Technical Solutions, UAE

May 2023 – Present

#### Senior Software Engineer – Team Lead

- Design and developed secure solutions for immigrations using Service-Oriented Architecture (SOA) to enable flexible and modular functionality for independently integration with **ICP's** Identity and citizenship printing operations.
- Engineered a secure solution for Ministry of Interior (MOI) and Criminal Investigation Department (CID) for sensitive data.
- Used advanced cryptographic protocols, public-key infrastructure, to secure biometric data while in rest and in transit and used PBKDF and key rotation strategy to make secrets more secure and less prone to intercept.
- Engaged in technical discussion on security concepts, such as network security protocols and data protection standards, to both technical and non-technical stakeholders.
- Led teams of backend developer to focusing on security best practices in order to avoid potential security breaches.

### Ascertia - An InfoCert Company, UK

Sep 2022 – April 2023

#### Senior Software Engineer

- Re-architected flagship product **SigningHub** with Product Owner to minimized technical debt and reduced operating and infrastructure costs by 20%.
- Planned migration of monolithic app to Microservices enabling encryption/decryption and digital signing services to scale independently. Leveraged Clean Architecture to keep business rules separate from UI and data layers, reducing error potential by 50%.
- Led a team of 4 software engineers to maintain 99% code quality while actively tracking and advancing software development progress.
- Leveraged Docker, Kubernetes, and CI/CD pipelines for containerized deployment, that helps in avoiding environment specific issues and improving code delivery speed by 30%.
- Implemented observability with distributed tracing, logging, and health monitoring using ELK stack for system reliability and maintainability thus saving time and reducing effort by 30%.

### Quantum CPH, Denmark

Nov 2019 – Sep 2022

#### Senior Software Engineer

- Engineered a scalable backend system for a social startup, that is handling 500K daily active users. collaborating with cross-functional teams on product and design solutions.
- Worked on Marketplace Startup (formerly Social Startup), as a core part of the backend team for the mobile application which has a large user base of more than 500K+ Users and 1M+ downloads.
- Designed and developed microservices architecture to optimize social engagement service for performance, which helped boost operational efficiency in feeds service by more than 15%.
- Identified and dealt with query optimization for notification service that boosted service efficiency by 35% when resolved.
- Managed multi-Cloud Resources like AWS & Azure for cloud native development and evaluated services for cost-effectiveness.

## **Bravinn Technologies, UAE**

*Oct 2017 – Oct 2019*

### **Software Engineer**

- Worked on the flagship products, and revamped them with the latest technologies along with the development of new applications.
- Constructed the logic for a streamlined email service platform that scaled to 5M users.
- Worked with experienced team members to conduct root cause analysis of issues, review new and existing code and perform unit testing.
- Redesigned RESTful service in .NET Core enabling the analytics team to increase reporting speed by 25%.

## **EchoLogic, Pakistan**

*Oct 2015 – Sep 2017*

### **Web Developer**

- Collaborated on development and testing of web applications, worked closely with senior engineers to learn and apply best coding practices.
- Engaged in development tasks to build dynamic web applications using JavaScript and other modern web technologies.

## **EDUCATION**

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### **Government College University, Lahore Pakistan**

*B.S. in Computer Science*

## **PROJECTS**

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- **Tajir:** Co-founded, designed and developed SaaS Based Marketplace App for both B2B and B2C.
- **ShopifyDo:** Designed and developed backend in Nodejs and Cloud Solution for a social startup on AWS.

## **TECHNICAL SKILLS**

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- **Languages:** C#, JavaScript, TypeScript, SQL
- **Frameworks** .NET Core, Nodejs, Express, Angular, Reactjs, SignalR, gRPC, Docker, Kubernetes, MassTransit, Kafka, RabbitMQ, SNS, SQS, Azure ServiceBus
- **Tools** SQL Server, Postgres, MongoDB, Neo4j, Redis, ELK, Azure, AWS, Terraform
- **Methodologies** DDD, TDD, Microservices, Clean Architecture, CQRS, API Gateway, Serverless, Event Sourcing

## **LANGUAGES**

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**Urdu** (Native), **English** (Professional), **German** (Beginner)

## **CERTIFICATES**

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### **Software Design and Architecture | [CERTIFICATE](#)**

- Mastered design principles, patterns, and architectures to build scalable and flexible software systems.

### **AWS Solutions Architect | [CERTIFICATE](#)**

- Proficient in deploying end-to-end infrastructure solutions, including networks, and cloud services.