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
- Working 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%.

EDUCATION

Government College University, Lahore Pakistan
B.S. in Computer Science

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

TECHNICAL SKILLS

- **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, Jenkins
- **Methodologies**   DDD, TDD, Microservices, Clean Architecture, CQRS, API Gateway, Serverless, Event Sourcing

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

CERTIFIACATES

Software Design and Architecture | CERTIFICATE
- Mastered design principles, patterns, and architectures to build scalable, reliable and flexible software systems.

AWS Cloud Solutions Architect | CERTIFICATE
- Proficient in deploying end-to-end infrastructure solutions, including networks, and cloud services.