HUSSAIN MANSOOR

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DELIVERY FOCUSED SOFTWARE ARCHITECT | TWELVE YEARS' EXPERIENCE
CUTTING DEVELOPMENT TIME AND COSTS, IMPROVING PERFORMANCE AND ENHANCING SERVICE

Engineering Manager and Architect with a Software Engineer background who combines deep technical knowledge with a passion for high-quality software in diverse industry settings, including telecommunications, marketing, and airlines. Defines application architecture while facilitating rapid development through awareness of the full project and Software Development Life Cycle (SDLC); champions a focus on stability and performance, including analysis and optimisation across multiple platforms, automation and reducing toil. Leads requirements management and business case development (to highlight solutions feasibility) alongside data analysis and reporting. Enjoys maintaining awareness in emerging technologies, including developments in cloud computing and microservices.

CERTIFICATIONS

Scrum.org **Professional Scrum Master**	https://bit.ly/3nlNLfV
Scrum.org **Professional Scrum Developer**	https://bit.ly/38jfVny
PagerDuty **Certified Incident Responder**	https://bit.ly/3pt6bgM
AWS **User Group Leader**	https://bit.ly/3m0j55B
AWS **Community Builder – Serverless Expert**	https://go.aws/3PTjZyB
AWS **Solutions Architect (Associate)**	https://bit.ly/3tCVNa7

CORE COMPETENCIES

Solutions Development | Architecture Development | SCRUM Methodologies
Team Leadership, Training and Mentoring | Project Scoping and Management | Technical Problem Solving
Interpersonal Communication | Automation | Client Engagement | Engineering Management
Cost Reduction Initiatives | Process Enhancements | Performance Optimisation | System Rollout

TECHNOLOGIES

Databases:	Redis	MSSQL	MySQL	AWS Aurora	DynamoDB	PostgreSQL
Languages:	JSON	YML| Python	Java	Swift	Kotlin	JavaScript	TypeScript
Testing / Tracking:	Postman	Selenium	JIRA	Apache JMeter	Locust	Others
Server:	Glassfish	IIS	TeamCity	SonarQube	NGINX	APACHE
Architecture:	RESTful API Design	Microservices	SOA	Event driven	Monoliths	Cloud Native	Serverless
Version Control:	Git	SVN	Bitbucket	GitHub
Cloud:	Amazon Web Services (AWS)	Private Cloud

PROFESSIONAL EXPERIENCE AND ACHIEVEMENTS

ABBEAL - TORONTO, CANADA
Solutions Architect   **June 2023-Present**

Working remotely for Kering which is the parent company of numerous fashion brands from Paris, France. Writing the infrastructure as code using Terraform and automating the deployment process.

EMIRATES AIRLINES GROUP (LINNK TECHNOLOGY SERVICES) - DUBAI, UAE
Solutions Architect   **December 2021-June 2023**

Working under the portfolio of financial systems for Emirates Group. Helping the Scrum team achieve scalability, security, and quality non-functional requirements. Following Solutions Architecture practices like Design Reviews, documenting Solutions Intents, presenting engineering solutions to stakeholders while keeping the cost, complexity, and budgets under consideration.

Key achievements

- Re-Architecting the **monolith systems to microservices** based architecture in align with growing business agility and demands
- Improved 2tps (Transactions Per Second) to **20tps after adding best practices** like caching, database optimisation, parallel processing of requests using queues from sync calls
- Identified bottlenecks in the engineering practices of a project and improved it to release multiple times a week than once a month
- Improved the Business Incident SLA from **75% to 95%** by implementing Architecture Best Practices improving overall system quality
- Helping my architecture chapter and DevOps team with planning, costing, and migration plan to migrate to cloud given my previous Cloud experiences
- Worked on migrating the services to OpenShift based Kubernetes environment. Early POCs and configurations of Kubernetes using Docker to run the services in auto-healing fashion.

AIRLIFT TECHNOLOGIES - PAKISTAN

Engineering Manager   **2021-2021**

Helping the engineering team to adopt Agile mindset and Scrum practices with respect to Microservices Architecture. Continuously working towards bringing the maturity in Cloud Management and Systems Engineering practices to follow Architecture guiding principles. Given the high-scale requirements, strategically defining a case to migrate to Kubernetes with continuous deployments behind feature-flagged environments to achieve high velocity delivery with robustness and quality.

Key achievements
- Played a key role in introducing, training, and ensuring the right Agile mindset in software delivery. Totally eliminated weekend work, late night builds and such practices with means of streamlined processes.
- Introduced the concept of **Systems Engineering** and Google's **SRE Framework** to improve the product quality in the engineering team. Creating a culture of design and Architecture reviews to ensure the right direction of systems.
- Initiated migration of legacy systems from Silo to **Microservices architecture** for agility and maintainability.
- Created a case for **Multi-Account AWS setup** given the challenges of security blast radius, service limits in cloud and segregation of concerns issue with single account.
- Managed to acquire Pakistan's first **Private Pricing contract** with AWS to get 7% discount on bills and 30k USD in credits discount.
- Planning and implementing right **design patterns of distributed systems** like Circuit Breaker, Exponential Backoff, Centralised Logging, etc. to improve system's reliability and observability.

IPROPERTY.COM MALAYSIA SDN BHD - KUALA LUMPUR, MALAYSIA

Lead Systems Engineer (promoted from Senior Systems Engineer in 2020)   **2019-2021**

Recognised for a combination of business empathy and technical expertise to translate ideas from concept into reliable and scalable products. I worked in fast-paced dynamic environments while continuously overseeing and improving critical infra projects within this digital company.
Facilitate full application development life cycle management, including analysis, technical requirements gathering, design, coding, testing, implementation, and support for Malaysia's number one property marketing company.

Key achievements
- Played a key role in seamless transition of traditional application architecture to **Microservices architecture** built on Nodejs.
- Configure build pipelines and setup **Bash scripts** for **Docker** -based containerised environments.
- Project managed development of an internal deployment tool which used **blue-green deployment strategy** for one of the complex products reducing frequency of failed deployments substantially.
- Developed monitoring and alert system for non-cloud apple hardware using **Python** and AWS services.
- Reduced peak traffic issues by 30% having shared expertise in locust load testing tools.

- Delivered 40% reduction in costs by removing multi-region AWS region implementation to **multi-AZ** to achieve **High Availability**.
- Used Kubernetes for Platform tools. Planned to use Helm charts for applications deployment on Kubernetes

PROFESSIONAL EXPERIENCE AND ACHIEVEMENTS continued

Maxis Sdn Bhd - Kuala Lumpur, Malaysia

DevOps Lead (promoted from Solutions Architect in 2018 and Mobile Apps Specialist in 2017)   **2016-2019**

Well known for deep knowledge and understanding of complex architectures and cloud paradigm. Was promoted multiple times in a short tenure due to quick learning and right mindset for scalable solutions.

Key achievements
- Adopted a consultative approach to analyse and transform functional requirements into technical solutions while building robust development team and stakeholder relationships.
- Led 12 team members to overcome challenges during transition from on-premises to cloud-based solution hosting on AWS
- Managed requirements elicitation and SCRUM framework to efficiently allocate tasks and resources
- Reduced the deployment time from 65 minutes to 7 minutes using AWS managed services which improved release confidence of business
- Implemented application monitoring system to secure live crash reports and analysis using Dynatrace

GoodCore Software, Inc - Malaysia

Senior Software Engineer   **2015-2016**

Heavily involved in stakeholder management for requirement gathering, pitching solutions and architecture design of applications. Clients included International Bank, Energy provider corporation and Government Agencies of Malaysia. Successfully implemented security and scalability to meet compliances for financial applications with millions of users.

Systems Ltd - Pakistan

Advisory Software Engineer   **2014-2015**

Managed a team of experienced engineers to utilise cutting edge technology in developing mobile applications. Contributed to implementing an agile mindset which reduced development time. Created applications for clients from the Gulf region.

Folio3 Pvt Ltd - Pakistan

Senior Software Engineer (promoted from Software Engineer in 2013)   **2011-2014**

Developed enterprise level Mobile Applications and games mostly serving America and Canada markets. Created a first ever Special Interest Guild (SIG) in the organisation to focus on custom frameworks for mobile games.

EDUCATION AND QUALIFICATIONS

Asia Pacific University Malaysia

Master's in Science (Software Engineering)   **2020**

- Developed qualities to manage enterprise application development demands
- Studied various process methodologies and complex architecture design practices
- Gather visibility of quality requirements of large and distributed systems
- Got **Distinction** for my thesis on the topic of Microservice Architecture

FAST-NUCES Pakistan

Bachelor's in Science (Computer Science)   **2011**