

UZAIR RIAZ FAROOQUI, MS

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SOFTWARE ENGINEERING | CLOUD SOLUTIONS ARCHITECTURE | TECHNICAL LEADERSHIP

PROFILE

Accomplished Staff Software Engineer with extensive experience developing end-to-end technical solutions and supporting continuous improvement processes that empower businesses to drive growth and achieve their goals. Proven track record of collaborating with cross-functional teams to deliver high-quality code, lead successful projects, and improve operational efficiency through automation and optimization. Adept at designing and implementing scalable and reliable infrastructure that enhances system performance and creates modern, responsive, and user-friendly interfaces while working in a remote setting.

Core Skills & Competencies

API Development & Integration | Distributed Systems | Cloud Computing | Team Leadership | Software Testing & Debugging
Containerisation & Orchestration | Microservices Architecture | Stakeholder Engagement | Database Management Systems
Continuous Integration/Continuous Deployment (CI/CD) | Performance Tuning | Project Management | Quality Assurance
Test-Driven Development (TDD) | Backend Testing Frameworks | Troubleshooting | Full Stack Engineering | Due Diligence

KEY VALUE OFFERINGS

- **Backend Development & System Architecture:** Proficient in developing scalable and efficient backend systems, focusing on building reliable and robust software architectures that support complex business requirements.
- **Cloud Computing & DevOps:** Leverage cloud platforms for application deployment and infrastructure management, ensuring scalability, performance, and disaster recovery solutions are effectively implemented.
- **Programming Languages & Frameworks:** Highly skilled in various programming languages and development frameworks, with strong emphasis on clean, maintainable code and best practices in software engineering.
- **Database Management & Optimization:** Hands on expertise in database design and management, including data modeling, query optimization, and performance tuning to ensure data integrity and operational efficiency.
- **Problem-Solving & Troubleshooting:** Strong capability in analyzing complex technical issues, identifying root causes, and implementing effective troubleshooting measures to minimize system downtime and enhance reliability.
- **Project Management & Team Collaboration:** Adept at managing multiple projects and collaborating with cross-functional teams to deliver high-quality software solutions on time and within budget.

CAREER HISTORY

UNIFIED VISION – UNITED STATES | AUG 2020 – DEC 2024

Staff Software Engineer(Remote)

- **Transformed backend architecture into multi-tenant SaaS platform**, empowering Board-Certified Behavior Analysts (BCBAs) to independently manage their businesses on it.
- **Developed and integrated hierarchical role-based permission system**, enabling members to join groups with parent and multiple subgroup structures for enhanced organizational management.
- **Created in-house framework** supporting chaining of actions and events for efficient event-driven code architecture.
- **Improved CI/CD processes**, using Terraform to automate infrastructure provisioning and eliminating manual efforts.

CAREEM (UBER INC.) – KARACHI, PAKISTAN | DEC 2019 – AUG 2020

Senior Software Engineer I

- **Migrated and modularized core applications** into independent microservices, utilizing REST APIs for communication.
- **Enhanced and refactored existing microservices codebase**, increasing test coverage to over **90%**.
- **Spearheaded backend implementation** for new school packages features MVP, specifically for schools in Dubai.
- **Strengthened system reliability** by improving server resource monitoring and logging for API failures.
- **Elevated security standards** by introducing "Golden" AWS images, pre-configured with security patches and tools.

THORGATE – TALLINN, ESTONIA | DEC 2018 – MAR 2019

Full Stack Developer

- **Led development of ODI Medical** (health tech application), utilizing ML algorithms to detect capillaries in skin images.
- **Migrated ODI Medical** to microservice architecture, isolating web portals from ML algorithms to enhance system flexibility and scalability.
- **Designed CMS alternative** to replace static Thorgate website, improving content management and user experience.
- **Integrated Ezil's REST API** to develop industrial orders web portal for seamless synchronization with internal database.

TUNE – KARACHI, PAKISTAN | MAY 2017 – DEC 2018

Software Developer

- **Developed and optimized internal admin portal** to enhance employee management of client accounts.
- **Improved lead generation** through integration of Marketo forms with Salesforce on TUNE WordPress website.
- **Automated affiliate invoice payouts** by implementing Apex triggers in Salesforce to streamline financial processes.
- **Enhanced accurate performance monitoring**, using page load time metrics from PerformanceTiming API.

GOODCORE SOFTWARE – KARACHI, PAKISTAN | JUN 2015 – MAY 2017

Software Engineer

- **Transitioned conferencing tool's APIs from V2 to V3**, maintaining compatibility for existing legacy users.
- **Boosted application performance** by identifying and mitigating bottlenecks and reducing unnecessary re-renders.
- **Proactively salvaged COVID-19 disruption** by integrating video conferencing solutions into BriefingSource.
- **Fixed critical permission issues for IBM's server logs** by configuring user groups and accessing their server via VPN.

EDUCATION

Master of Science, Computer Science | Muhammad Ali Jinnah University | 2021 – Present

Bachelor of Science, Computer Science | National University of Computer & Emerging Science | 2015 – 2019

NOTABLE PROJECTS

- Developed Tetris game in C++ using the SDL library.
- Created UWP applications for Home Automation on HoloLens and Raspberry Pi 3B using Augmented Reality.
- Deployed OpenStack on Azure and configured HAProxy for load balancing across three Apache Web Servers.

TECHNICAL ACUMEN

- **Programming Languages:** PHP | Python | Java | GoLang | JavaScript (JS) | Kotlin | HTML | CSS | Apex (Salesforce)
- **Frameworks and Libraries:** Spring Boot | Yii2 | Laravel | Codeigniter | ReactJS | GraphQL
- **Databases:** MySQL | PostgreSQL (PgSQL)
- **Cloud and Infrastructure:** Terraform | Amazon Web Services (AWS) | Microsoft Azure
- **Containerization and CI/CD:** Docker | Jenkins
- **Version Control Systems:** Git | SVN (Subversion)
- **APIs:** RESTful APIs
- **Monitoring and Analytics:** DataDog | Grafana
- **Other Tools and Technologies:** WordPress | Marketplace integration (e.g., Marketo forms) | HoloLens development
Raspberry Pi | OpenStack | HAProxy

LANGUAGES

English – Full Proficiency

Urdu – Native / Bilingual

Sindhi – Native / Bilingual