



AHMED MUSTAFA ABDO AHMED

Senior Software Solutions Architect

🇦🇪 UAE Golden Visa Holder 📍 UAE, Abu Dhabi

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PROFESSIONAL SUMMARY

Results-driven **Senior Software Solutions Architect** with over 17 years of experience of designing and implementing **scalable, high-performance solutions** across various industries, including leading the **successful migration of large-scale enterprise applications to microservices**, and implementing **scalable, high-performance** software solutions across **cloud, web, and mobile applications**. Adept at **enterprise architecture, cloud computing (Azure, AWS), DevOps, and microservices**. Proven leadership in driving innovation, optimizing system performance, and aligning technology strategies with business goals. Strong track record in **leading cross-functional teams** and **delivering mission-critical enterprise solutions** that drive business success.

EXPERIENCE

Applications Architect / Senior Manager

Miral Experiences | UAE, Abu Dhabi | *April 2019 – Present*

- Designed **enterprise-level software architectures** for large-scale applications.
- Led cross-functional teams to develop **secure, high-performance cloud solutions**.
- Spearheaded the migration of **monolithic applications to microservices**, reducing deployment time.
- Optimized **CI/CD pipelines**, reducing release cycles and **enhancing automation**.
- Ensured compliance with **the security standards** and **best DevSecOps practices**.
- Collaborated with stakeholders to align IT strategies with business goals, ensuring scalability and performance.

Lead Applications Architect

GEEKS Technology DMCC | UAE, Dubai | *Aug 2017 – Feb 2019*

- Developed cloud-native and cross-platform **mobile & web applications** used by **50,000+ active users**.
- Led the adoption of **containerization (Docker, Kubernetes)** for scalable deployment, improving system resilience.
- Provided **technical leadership**, mentoring developers and improving team productivity.

Lead Software Architect

Leader Technology Group | Sudan, Khartoum | *Jul 2015 – Jul 2017*

- Architected and developed **enterprise-grade web and mobile applications**, serving **multiple business sectors**.
- Designed **secure API integrations**, improving system interoperability and reducing **downtime**.

Technical Manager / Lead Software Architect

ProDev for IT | Sudan, Khartoum | *Aug 2014 – Jul 2017*

- Managed **technical teams**, driving project success and software excellence across multiple verticals.
- Led **agile transformation**, improving **delivery speed and team efficiency**.
- Developed secure API integrations to enhance system interoperability and minimize downtime.

Senior Full Stack Developer

4POWER INFOCOM LLC | UAE, Dubai | Dec 2014 – Jun 2015

- Developed custom ERP and finance solutions for enterprise clients.
- Designed scalable web applications with front-end and back-end development.

Software Architect & Developer

Leader Technology Group | Sudan, Khartoum | Sep 2012 – Dec 2014

- Developed and implemented critical ERP system components.
- Led software development for enterprise solutions.

Senior Software Developer

MAA for IT Solutions | Sudan, Khartoum | Jul 2007 – Aug 2012

- Developed software applications across front-end and back-end systems.
- Designed UI/UX solutions for web and mobile applications.

EDUCATION & CERTIFICATIONS

🎓 **M.Sc. in Information Technology** Al Neelain University, Sudan (2015)

🎓 **B.Sc. in Information Technology** Al Neelain University, Sudan (2012)

📄 **Microsoft Certified: Azure Solutions Architect Expert** (2025, In Progress)

📄 **TOGAF Standard, Version 9.2** The Open Group (2023)

📄 **Professional Scrum Master™ I (PSM I)** Scrum.org (2022)

📄 **Microsoft Certified: Azure AI Engineer Associate** (2021)

📄 **Microsoft Certified: Azure Developer Associate** (2020)

📄 **Microsoft Certified: Azure DevOps Engineer Expert** (2020)

📄 **Diploma in Project Management** IBMI (2020)

📄 **Leadership and Team Development** IBMI (2020)

📄 **Xamarin Certified Mobile Developer** (2018)

📄 **Xamarin Certified Mobile Professional** (2018)

TECHNICAL EXPERTISE

📄 **Programming Languages:** C++, C#, Java, F#, VB.NET, Objective C, Swift, Dart, Kotlin, Python, JavaScript, TypeScript, PHP, Golang

✂️ **Frameworks & Methodologies:** Agile, Scrum, Kanban, TOGAF, Waterfall, Lean, XP, Six Sigma, RUP, FDD, SAFe, SoS, DevOps, Prototype


⚙️ **Cloud & DevOps:** Azure, AWS, GCP, VPS, DPS, Kubernetes, Docker, Terraform, CI/CD, Jenkins, GitLab, AWS CodePipeline, Azure DevOps, Bitbucket, Bamboo, Spinnaker


🏗️ **Architectures & Patterns:** Microservices, Event-Driven, Serverless, SOA, MVC, CQRS, Layered, Hexagonal, Monolithic, N-Tier, Pub-Sub, Saga, Strangler, MVP, MVVM, VIPER, Event Sourcing, Factory, Singleton, Observer, Repository


🔒 **Security & Compliance:** DevSecOps, OAuth, JWT, RBAC, OpenID, ISO 27001, PKI, SSL, Hashing, Digital Certificates, Encryption, IAM, SIEM, Zero Trust Security


✂️ **Tools & Platforms:** Visual Studio, Visual Studio Code, Xcode, Android Studio, Eclipse, NetBeans, IntelliJ IDEA, Sublime, Notepad++, JIRA, Postman, Firebase, SharePoint, Confluence, Grafana, Prometheus


🌐 **Web & API Development:** ASP.NET, Node.js, MVC, .NET Framework, Entity Framework, .NET Core, Angular, ReactJS, TypeScript, JavaScript, AJAX, jQuery, LINQ, SQL, XML, JSON, GraphQL, gRPC, REST, SOAP, SignalR, SPA, SOA, EDA, Laravel


 **Mobile Development:** Android, iOS, Java, Objective C, Kotlin, Swift, Xamarin, MAUI, Flutter, React Native, Ionic


 **Container & Orchestration Technologies:** Docker, OpenVZ, LXC Linux Containers, Containerd, Kubernetes (K8s), Docker Swarm, Amazon ECS, Azure Kubernetes Services (AKS), OpenShift


 **API Gateways & Service Discovery:** Azure Application Gateway, Amazon AWS API Gateway, Spring Cloud Gateway, Kong, Ambassador, KrakenD, Eureka, Apache Zookeeper, Consul, Vyne

 **Event-Based & Messaging Technologies:** Apache Kafka, RabbitMQ, Azure Service Bus, Amazon SQS, Google Cloud Pub/Sub


 **Databases & Caching:** MS SQL Server, MySQL, SQLite, Oracle, Hive, Cassandra, MariaDB, MongoDB, Cosmos DB, RealmDB, Google BigQuery, Redis, Firestore, Azure SQL, Amazon RDS, Datastore, Azure DocumentDB, DynamoDB, NoSQL, PostgreSQL


 **CMS & E-Commerce Platforms:** Sitecore, Magento, WordPress, Drupal, Joomla, Laravel, Magento, Umbraco, Shopify, WooCommerce, OpenCart


 **Logging, Monitoring & Documentation Tools:** Prometheus, Grafana, InfluxDB, cAdvisor, Datadog, Spigo, Sysdig Monitor, Riemann, Sensu, New Relic, AppDynamics, ELK Stack (Elasticsearch, Logstash, Kibana), Splunk, Nagios, Kibana, Logstash, Graylog, Application Insights, Loggly, log4net, NLog, ELMAH, Serilog, Fluentd


 **DevOps CI/CD & Version Control:** Azure DevOps, Bitbucket, GitHub Enterprise, Jenkins, GitLab, AWS CodePipeline, Bamboo, Fastlane, Terraform, Ansible, Azure Repos, Azure Pipelines, Azure Artifacts, GIT, VSS, SVN

 **Programming:** C#, Java, Python, JavaScript, TypeScript, Golang, Swift, Kotlin

 **Cloud & DevOps:** Azure, AWS, GCP, Kubernetes, Docker, Terraform, CI/CD

 **Architectures:** Microservices, Event-Driven, Serverless, SOA, MVC, CQRS, Layered, Hexagonal, Monolithic, N-Tier, CQRS, Pub-Sub, Saga, Strangler, MVP, MVVM, VIPER

 **Security & Compliance:** DevSecOps, OAuth, JWT, RBAC, OpenID, ISO 27001, PKI, SSL, Hashing, Digital Certificates, Encryption, IAM, SIEM

 **Tools & Platforms:** GitHub, Azure DevOps, Jenkins, JIRA, Postman, Firebase, Visual Studio, Visual Studio Code, Xcode, Android Studio, Eclipse, NetBeans, IntelliJ IDEA, Sublime, Notepad++

INDUSTRY EXPERTISE

- **Software, AI & Emerging Tech:** AI, ML, IoT, Blockchain, Web 3.0
- **Government & Public Sector:** Smart cities, digital transformation, regulatory compliance
- **Aviation, Tourism & Hospitality:** Scalable booking & travel platforms handling millions of transactions
- **Finance & E-commerce:** Secure payment solutions, fraud detection, and online platforms

PASSIONS & INTERESTS

Technology, Innovation, AI/ML, Smart Homes, Robotics, Football, Blogging

VOLUNTEERING & COMMUNITY CONTRIBUTIONS

- **Dubai Tech Network** – Research & Development Contributor
- **MBRU Hackathon COVID-19** – Solution Developer (2020)
- **IEEE Conferences** – Tech Volunteer (2012)
- **We Can - Charitable Organization** – Created the organization's branding identity (2016)
- **Sudanese Software Conference** – Speaker and participant in a software solutions competition, achieving **2nd place** among all competitors.(2010)