

USMAN MOHAMMED

Lead Software Engineer | Technical Lead | Solutions Architect

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PROFESSIONAL SUMMARY

Technical Lead with 9+ years of UAE experience specializing in full-stack development, cloud architecture, and technical leadership within startup and enterprise environments. Demonstrated ability to architect scalable systems handling millions of transactions across the MENA region, leading complex system migrations, technical acquisition, and enterprise integrations across logistics and ecommerce. Early adopter of AI-powered development tools to boost productivity and development velocity.

CORE TECHNICAL SKILLS

Programming Languages: Java, C#, JavaScript, TypeScript, Python, C, C++

Backend Technologies: Spring Boot, .NET Core, Node.js, Express.js, Nest.js, Django

Frontend Technologies: React, Angular, Next.js, Tailwind CSS, PrimeNG, Ant Design, Redux, NgRx, Zustand

Mobile Development: Android, React Native, Ionic

Databases: MySQL, Postgres, SQL Server, MongoDB, Redis, Oracle, Firebase, Cassandra, Couchbase

DevOps & Tools: Docker, Kubernetes, Terraform, Helm Charts, Azure DevOps, GitLab CI/CD, Jenkins, ArgoCD, OpenShift, Maven, Ant, Gradle, Webpack, Vite, MSBuild

Monitoring & Logging: Dynatrace, Prometheus, Grafana, ELK (Elasticsearch, Logstash, Kibana), AppDynamics, Splunk

Message Brokers & Event Streaming: RabbitMQ, Apache Kafka, Solace, Amazon SQS / SNS, Azure Service Bus

Testing: Vitest, Rest Assured, Jasmine, Jest, Karma, JUnit, Mockito, JMock, JMeter, NUnit

Project Management & Collaboration: Azure DevOps Boards, Confluence, BitBucket, Jira, Trello

Integrations: Oracle Fusion, Quickbooks, Neoleap, Twilio, Nexmo, Reson8, SendGrid, Azure Blob Storage, AWS S3

Other: Technical Due Diligence, Agile Development, Microservices, Microfrontends (Single-SPA), Cloudflare, Route 53, Draw.io, Axure RP, REST, SOAP, GraphQL, gRPC, WebSockets, Design Patterns, Git, ITIL framework, Snowflake, PowerBI, Informatica, Snaplogic, APIGee, SonarQube, Agentic Coding, Prompt & Context Engineering

PROFESSIONAL EXPERIENCE

Lead Software Engineer - 7X (Emirates Post Group) | Feb 2024 - Present | Dubai, UAE

Leading Technological Transition post FODEL acquisition and now working in modernizing the core services of 7X

- **Architected cloud infrastructure and led migration** to new AKS clusters and MySQL instances, followed by transitioning code repositories and setting up CI/CD pipelines from GitLab to Azure DevOps, ensuring zero downtime throughout the two-month transition period
- **Integrated core logistic solutions** with EMX to onboard delivery of FODEL shipments and COD collection from PUDO reducing costs significantly from using third party couriers
- **Onboarded major e-commerce clients** including Amazon, Noon, Temu, and EMX, generating significant additional revenue growth
- **Integrated Oracle Fusion ERP** for automated invoice processing, handling substantial monthly transaction volumes
- **Built comprehensive locker management system** integrating with 3+ provider APIs, supporting 3000+ pickup locations across MENA
- **Modernized legacy .NET systems** to Microservices architecture by adopting .NET Core, enhancing scalability, maintainability, and deployment agility
- **Built modern React modules within a Microfrontend architecture**, driving the transition from a legacy .NET desktop application to sleek, user-friendly web portals

- **Managed technical team of 3 engineers** across frontend, backend, and quality assurance functions

Lead Software Engineer - FODEL (Acquired by Emirates Post Group) | Nov 2018 - Feb 2024 | Dubai, UAE

Full-stack technical leadership for developing the Mena Region's first PUDO network from inception till exit

- **Led technical due diligence** for major company acquisition, creating comprehensive system documentation, migration roadmaps, compliance reports and flow charts
- **Architected Java Spring modular monolith backend** achieving 99.99% uptime and serving as the core platform for the PUDO business, combining the simplicity of a monolith with the flexibility of modular design and independent deployment benefits
- **Spearheaded front-end modernization** from AngularJS to Angular 19, improving load times, user experience and development experience
- **Developed comprehensive APIs** serving major e-commerce, logistics, and omnichannel retailers across GCC, handling millions of requests daily
- **Developed PUDO management application** serving 3000+ pickup/drop-off networks across UAE with English and Arabic localization, enabling seamless last-mile delivery operations
- **Built courier mobile applications** for in-house and logistics partners serving PUDO locations, featuring route optimization algorithms that improved delivery efficiency by 25%
- **Built mobile operations management app** using Ionic, used by field staff for daily operations
- **Integrated QuickBooks API** for automated billing, processing invoices monthly and reducing manual work by 80%
- **Architected two-tier caching strategy** combining application-level and Redis caching, reducing database hits by 70% while implementing frontend local storage with TTL for dropdowns and static data, decreasing API calls by 60%
- **Architected reusable UI component library** reducing development time by 50% across 24+ front-end projects
- **Built analytics dashboard** with real-time charts and KPIs, enabling data-driven decisions for C-level executives
- **Developed a courier tracking module** using Mapbox and Google Street View to track couriers in real time
- **Containerized applications** using Docker and deployed on Azure Kubernetes Service with auto-scaling capabilities
- **Conducted technical training** for operations team and external stakeholders on new features and system updates

Software Engineer - Safarifone Inc. | Aug 2017 - Oct 2018 | Dubai, UAE

Full-stack development for payment gateway solutions in fintech sector

- **Collaboratively developed payment gateway application** in Java Spring Boot, processing substantial monthly transaction volumes
- **Created APIs** using Express.js for payment processing, website, and POS system integration
- **Built responsive web portals** using Angular and React for diverse user roles including merchants, admin, and customers
- **Implemented security features** including QR code, NFC reader compatibility, and encrypted credit card processing for PCI DSS compliance
- **Developed Bluetooth printing integration** for payment receipts, enhancing experience across POS terminals
- **Designed and documented** comprehensive client application architecture for improved maintainability

Junior Software Engineer - GCSFG | Nov 2016 - May 2017 | Dubai, UAE

Website development and freight management system using .NET technologies

- **Designed and developed company website** using ASP.NET MVC framework with responsive design
- **Implemented freight recommendation engine** with complex business logic, improving quote accuracy by 25%

EDUCATION

Master of Science, Software Engineering

Heriot-Watt University | Dubai Campus | 2018

Bachelor of Engineering, Computer Science

Visvesvaraya Technological University (VTU) | Karnataka, India | 2016