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| Islam Mohamed Mohamed Elsayed **Full Stack Technical Lead | Mobile Solutions Architect**  Experienced Technical Lead with **13+ years** of proven success in designing and delivering scalable full stack applications, AI/ML solutions, and enterprise-grade mobile platforms. Specialized in React, Node.js, .NET Core, and Python with strong expertise in integrating Generative AI (GPT, LLaMA, LangChain), AWS AI Services, and cloud-native DevSecOps. Led cross-functional teams across UAE government, banking, and transport sectors, with hands-on leadership in mobile-first architecture, microservices, and AI-powered systems. Arabic native speaker, well-versed in Agile delivery, security compliance, and stakeholder engagement. | [islammohamed12@gmail.com](mailto:islammohamed12@gmail.com)  +971 56 9782178  Dubai, United Arab Emirates  [www.linkedin.com/in/islammohamed92/](http://www.linkedin.com/in/islammohamed92/)  <https://github.com/islammohamed12>  islam.mohamed18392 |

**Technical Skills**

**Programming Languages & Frameworks**

* JavaScript (React, Ionic, Angular, Node.js, TypeScript, Vue, jQuery, Backbone)
* Python, C#, .NET Core, Java (Spring Boot, Android SDK)
* HTML5, CSS3, Bootstrap

**Mobile Development**

* React Native, Cordova / PhoneGap, IBM MobileFirst, Ionic.

**Enterprise Applications & ERP**

* Oracle E-Business Suite (EBS) – Integration, Customization, and UX/UI Layer Development

**AI & Machine Learning**

* AWS Bedrock, Amazon SageMaker, AWS Lambda, AWS AI Services (Comprehend, Polly, Rekognition)
* Generative AI technologies including OpenAI GPT, Llama, LangChain
* IBM Watson

**Data Analytics & Automation**

* Alteryx Designer – Data preparation, blending, and advanced analytics automation

**Databases**

* SQL Server, MySQL, Oracle, MongoDB, Redis

**Cloud & DevOps**

* Docker, Kubernetes, AWS Lambda, CI/CD Pipelines

**Development Tools & Version Control**

* GitHub, Bitbucket, SVN, TFS, Rational Rose

**Software Development Methodologies**

* Agile (Scrum, Kanban), Waterfall

**Selected Projects**

* **FAHR AI Assitant –** Developed a secure, scalable Retrieval-Augmented Generation system using OpenAI and FAISS to support HR queries. Integrated Agentic RAG agents for context-aware, multi-turn user interactions. Improved HR automation efficiency and reduced support overhead by 40%.
* **FAHR HR UXUI –** React web application built with Next.js and IBM MobileFirst Platform for the Federal Authority for Government Human Resources, providing HR management and automation solutions.
* **FAHR Mobile App –** React Native app (Android & iOS) built with IBM MobileFirst, offering HR services on mobile.
* **FAHR AI Assistant –** AI-powered virtual assistant integrated into FAHR HR System, enhancing HR automation, employee self-services, and real-time inquiries.
* **Ajman One App –** Mobile app (iOS & Android) developed with React Native and IBM MobileFirst, offering e-wallet services and utility payments for Ajman residents and visitors
* **Himma Web App –** Web application development.
* **RTA Chatbot Project –** Contributed to the development of an **AI-powered chatbot** for the Dubai Roads and Transport Authority (RTA), improving service accessibility and automation.
* **RTA Mobile Suite (Common Shell App) –** Unified platform for multiple RTA apps (Drivers & Vehicles, Corporate, Smart Parking, RTA Dubai) using IBM MobileFirst-based app (Android, iOS, WP, BB).
* **Al Rajhi Bank App –** Cross-platform e-banking application (Android, iOS) and native Windows Phone app for Al Rajhi Bank, KSA.
* **Al Rajhi Takaful App –** Cross-platform e-insurance solution (Android, iOS) for Al Rajhi Takaful, KSA.
* **Al Bilad App –** Cross-platform insurance application (Android, iOS) for Bank Al Bilad, KSA.

**Professional Experience**

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| **Full stack development Technical Leader | Mobile Application Architect** | September 2022– Present |
| [Federal Authority for Government Human Resources](https://www.fahr.gov.ae/portal/en/home.aspx) | Dubai-UAE |

* Led **FAHR Smart App modernization, migrating from Angular 7 to React Native for better performance.**
* **Developed and launched AI-powered virtual assistant**, integrating voice and LLM capabilities.
* **Managed 10 major & 6 minor app releases** (*4.0.0 – 4.8.0*), introducing new self-service features for employees and managers.
* **Optimized security & infrastructure**, closing vulnerabilities, renewing SSL/APN certificates, and scaling servers.
* **Created an evaluation model** using Python to assess and validate AI models’ performance, ensuring robustness and accuracy before deployment.
* **Developed digital community for Governement employees**.
* **Led UATs, stakeholder engagements, and Agile development cycles**, improving product adoption.
* **Managed IBM license renewals, system monitoring, and load balancing optimizations.**
* Designed and implemented scalable **mobile and web applications** for FAHR users.
* Integrated **third-party systems** through web services and APIs.
* Provided **error monitoring and proactive user support** to enhance user experience.
* Led business requirement analysis and collaborated with stakeholders.
* Designed and implemented an enterprise-grade RAG (Retrieval-Augmented Generation) system using OpenAI APIs and vector search for HR knowledge retrieval; integrated Agentic RAG workflow using LangChain agents for dynamic, multi-step employee assistance scenarios.
* **Key Technologies:** React, Redux, Angular, Node.js, MongoDB, .NET Core, Next.js, Python, AI (GPT, Llama, LangChain), Mobile (IBM MobileFirst, Cordova / Phone Gap, React Native).

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| **Full stack development Technical Leader** | December 2021 – August 2022 |
| [Ajman Ports and Customs Department](https://www.ajmanport.gov.ae/Main) | Ajman-UAE |

* Conducted **detailed analysis** of business requirements and designed **scalable application architectures**.
* Developed a **mobile application** for ports and customs users, enhancing operational efficiency.
* Built an **internal portal** with multiple workflows to streamline business processes.
* Ensured **high user satisfaction** by implementing **error monitoring** and proactive support strategies.
* Integrated external **third-party systems** via web services and APIs for seamless interoperability.
* Collaborated closely with **business owners** to refine requirements and actively participated in key stakeholder meetings.
* **Key Technologies:**
* **Programming:** JavaScript (TypeScript, AngularJS, Node.js, React, Redux), MongoDB, Redis.
* **Mobile Development:** IBM MobileFirst, Cordova / PhoneGap, React Native.
* **Web Technologies:** .NET Core, HTML5, CSS3, JSP, SOAP, RESTful APIs, AJAX, XML, JSON.

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| **Senior Software Engineer** | April 2019 – November 2021 |
| [Ajman Digital Department](https://www.ajman.ae/en) | Ajman-UAE |

* Conducted **detailed analysis** of business requirements and designed **scalable application architectures**.
* Developed a **Headless CMS** for mobile application content and UI management.
* Installed and configured **MongoDB servers and Replica sets** for high availability.
* Revamped the **e-Ajman Mobile App**, migrating from AngularJS to React Native with improved design and features.
* Developed critical solutions such as **Himma Web App**, **AjmanPay integration**, and **UAE Pass authentication**.
* Assisted vendors with **AI component integration** for Ajman Mobility services.
* Implemented a **caching mechanism** for Mobile CMS using Redis to enhance performance.
* Ensured **high user satisfaction** through proactive **error monitoring** and issue resolution.
* Integrated **third-party systems** via web services and APIs for seamless connectivity.
* Conducted **code reviews** and collaborated with vendors to maintain coding standards.
* **Key Technologies:**
* **Programming:** JavaScript (TypeScript, AngularJS, Node.js, React, Redux), MongoDB, Redis.
* **Mobile Development:** IBM MobileFirst, Cordova / PhoneGap, React Native.
* **Web Technologies:** .NET Core, HTML5, CSS3, JSP, SOAP, RESTful APIs, AJAX, XML, JSON.

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| **Senior** **Full Stack Developer** | July 2015 – March 2019 |
| [Roads and Transport Authority](https://www.rta.ae/) | Dubai-UAE |

* Led the **merging of multiple RTA mobile applications** into a unified platform.
* Revamped **RTA mobile applications** with improved design, enhanced features, and modern technologies.
* Developed critical **payment solutions** including **Apple Pay, ePay, mPay**, and **UAE Pass login integration**.
* Assisted vendors with **RTA Smart Mobility services**, providing technical guidance and support.
* Ensured **high user satisfaction** by implementing **error monitoring** and proactive support strategies.
* Integrated **third-party systems** via web services and APIs for seamless interoperability.
* Collaborated closely with **business owners** to refine requirements and actively participated in key stakeholder meetings.
* Conducted **code reviews** and worked closely with the team to maintain high coding standards.
* **Key Technologies:**
* **Programming:** JavaScript (TypeScript, jQuery, AngularJS, Node.js, React, Redux, Vue, BackboneJS).
* **Mobile Development:** IBM MobileFirst, Cordova / PhoneGap, React Native.
* **Web Technologies:** .NET Core, HTML5, CSS3, JSP, SOAP, RESTful APIs, AJAX, XML, JSON.
* **AI & Cloud Services:** Alexa, AWS Lambda.

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| **Full Stack Developer** | May 2014 – June 2015 |
| [Intellisc](http://www.intellisc.com/) | Cairo- Egypt |

* Developed **mobile applications** supporting e-Traffic and public transportation business.
* Optimized **application performance, security, and scalability** by identifying bottlenecks and memory leaks.
* Led **code refactoring and reviews**, improving system performance by over **10x**.
* Mentored **team members** to enhance technical skills and software development best practices.
* Assisted development teams in adopting **best practices for application structure and architecture**.
* **Key Technologies:**
* **Programming:** Java (Core, JEE, Android SDK), JavaScript, SQL, Oracle 10g.
* **Mobile Development**:IBM Worklight, Cordova, PhoneGap.
* **Web Technologies:** HTML5, CSS3, jQuery, AngularJS, JSP, ASP.NET, Material Design, SOAP, RESTful APIs, AJAX, XML, JSON.

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| **Cross-Platform Software Developer** | August 2012 – May 2014 |
| [E-Business Solutions Enabling Group](http://www.ebseg.com/%C3%A2%C2%80%C2%8E) | Cairo- Egypt |

* Designed and implemented **cross-platform applications** for e-banking, e-insurance, and e-trading businesses.
* Developed **prototypes** that secured new contracts for the company.
* Participated in the **full software development lifecycle**, from analysis to deployment.
* Provided **on-site support** and troubleshooting for high-profile clients like **Al Rajhi Bank**.
* Trained new employees on **code standards** and software best practices.
* **Key Technologies:**
* **Programming:** VB.NET, C# (MVC), Java (Android SDK), JavaScript, SQL, SQLite.
* **Mobile Development:** Cordova, PhoneGap.
* **Web Technologies:** HTML5, CSS3, jQuery, JSP, ASP.NET, Material Design, SOAP, RESTful APIs, AJAX, XML, JSON.

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| **Android applications instructor** | May 2012 – July 2012 |
| Freelancing | Cairo- Egypt |

* Trained two teams on **Android SDK** and advanced **Android application development**.
* Provided **hands-on workshops** covering UI/UX, database integration, and API consumption.
* Assisted students in developing **functional Android applications** as final projects.

**Education**

B.Sc. in Computer Science, Faculty of Computer and Information Science, Ain Shams University [2008 – 2012]

* **Major**: Information Systems (Very Good)
* **Graduation** Project: Tutor Assistant (Native Android App)
* Received Excellent grade; selected among 120 projects in the ITIDA competition.
* Designed for halls, seminars, and sections to assist tutors in attendance tracking, voting, quiz generation, and answer collection.
* Implemented using Bluetooth technology for seamless communication.

**Certifications**

Udacity Professional React Developer Nanodegree [2018]

* Studding of React Fundamentals Course and deliver the course project and successfully accepted by the Udacity team ( <https://github.com/islammohamed12/reactnd-project-myreads> ).
* Studding of React & Redux Course and deliver the course project and successfully accepted by the Udacity team (<https://github.com/islammohamed12/reactnd-project-readable-Udacity> ).
* Studding of React Native Course and deliver the course project and successfully accepted by Udacity team (<https://github.com/islammohamed12/MobileFlashCard-Udacity> )

**Honors and awards**

* **Alteryx Designer Core Certification** — Completed [May 2025].
* **Certificate of Appreciation** from **RTA Smart Service Department** for integrating **UAE Pass** into **RTA Mobile Apps**.
* **Best Snake Game Award (2011)** – Recognized for developing the best **Snake game** in the **Graphics course** at Ain Shams University.
* **Best FIFA AI Game Award (2011)** – Won an award for creating the best **FIFA game AI** in the **Artificial Intelligence course** at Ain Shams University.

**Soft Skills**

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| * Problem Solving | * Communication | * Self-motivation |
| * Teamwork | * Creativity | * Time Management |
| * Creativity | * Confidence | * Flexibility |

**Languages**

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| * Arabic (Native) | * English (Professional Working) |

**Personal Data**

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| * **Gender** | Male |
| * **Nationality** | Egyptian |
| * **Marital Status** | Married |