

# MOHAMAD LAWAND

Manchester, UK

+447879257622

mohamad.lawand@outlook.com

mlawand

<https://mohamadlawand.com>

<https://bit.ly/2MiAAQi>



## PROFESSIONAL SUMMARY

As a determined and forward-thinking Enterprise Architect, I bring over 15 years of rich experience in delivering cutting-edge technology solutions across diverse sectors, including financial institutions and government entities. My career is marked by a proactive approach and adaptability, specializing in Software as a Service (SaaS), Cloud technologies and Blockchain across multiple platforms. I possess a profound understanding and deep practical experience in developing sustainable, secure, and long-lasting business applications.

As an Enterprise Architect, my goal has always been to bridge the gap between complex technological capabilities and strategic business objectives, ensuring that technology serves as a robust enabler of business success. My career is a testament to my commitment to staying at the forefront of technological advancements and leveraging them to deliver substantial business value.



## SKILLS

- **Leading end-to-end digital transformation**
- SaaS - Cloud Platform Development
- **Blockchain Development**
- Enterprise Application Development & Integration
- **Team Management**
- **Project Management**
- Online Security and Testing
- **Microsoft Stack**
- System Architecture/Integration
- **Cloud Architecture (AWS/Azure)**



## EXPERIENCE

### Accenture

*April 2022 – Present*

Accenture is a global professional services company with leading capabilities in digital, cloud and security.

### Enterprise Architect

My role primarily revolves around cloud and system integrations, with a strong emphasis on leveraging AWS and Azure platforms. I specialize in hybrid and multi-cloud solutions, adapting to the diverse needs of each project. Key contributions and responsibilities include:

- **Event-Driven Architecture (EDA):** Successfully led the transition of monolithic applications to more efficient and scalable Microservices architectures using EDA principles. This involved intricate planning and execution to ensure minimal disruption and maximum efficiency gains.
- **Integration Architecture:** Expertly designed and implemented integration solutions for various hybrid services (cloud/on-premises) across multiple suppliers. This role required a deep

understanding of different cloud environments and the ability to create cohesive systems that work seamlessly together.

- **Middleware Design:** Developed sophisticated middleware solutions for cross-cloud integrations. These designs were pivotal in ensuring smooth, uninterrupted communication between diverse services, thereby enhancing overall system reliability and performance.

In this role, I have significantly enhanced my technical expertise and honed my skills in project management and team leadership. This has enabled me to consistently deliver projects on time, within scope, and beyond expectations, demonstrating a steadfast commitment to excellence and efficiency.

**Tech Stack:** AWS, Azure, Docker, Terraform, K8s, kafka, High throughput APIs

**Industries:** Banking/Mortgages, Digital Assets, Oil and Gas, Payroll and E-Commerce

## Sage

*April 2021 – April 2022*

Sage is the market leader for integrated accounting, payroll, and payment systems, supporting the ambition of the world's entrepreneurs.

### Technical Architect

In my role as a Technical Architect, I was instrumental in designing and upgrading cutting-edge payroll applications, positioning them at the forefront of the industry. My primary focus was to facilitate frequent production releases, significantly expanding our product's market reach to include Canada, the United States, and South Africa. Key achievements in this role include:

- **Revamping the Development Pipeline:** I spearheaded a major overhaul of our DevOps pipelines, enhancing the deployment process across various environments. This initiative successfully eliminated numerous day-to-day blockers for the Development and QA teams, thereby streamlining workflow and increasing efficiency.
- **Service Integrations:** I played a pivotal role in transitioning an existing application from a monolithic architecture to a more scalable Macro Service structure. This involved creating a comprehensive roadmap addressing technical aspects, DevOps pipeline enhancements, and integration strategies. The successful implementation of this roadmap marked a significant milestone in our service evolution.
- **Go-To-Market Strategy:** Conducted a thorough review of our entire platform to ensure readiness for market expansion. This involved close collaboration with the cloud team and various service departments to confirm the implementation of optimal configurations and solutions, ensuring our product met the rigorous demands of new international markets.

In this role, I excelled in technical expertise and strategic planning, significantly enhancing product performance, driving market expansion, and boosting team efficiency, contributing substantially to the organization's success.

**Tech Stack:** .Net core, Azure, Docker, Terraform

## Interact Intranet

*Feb 2020 – April 2021*

Interact is a global enterprise software company that serves intranet software to millions of users across the globe.

### Technical Manager | Technical Architecture

In my dynamic role as Technical Manager and Architect, I was instrumental in shaping the future of the Interact platform. My expertise in solution architecture and team leadership significantly contributed to the platform's evolution, driving the company's expansion in the UK and US markets. My key responsibilities and achievements included:

- **Solution Architecture:** Led the strategic design and implementation of new features and significant upgrades to the main product. My focus on scalable, innovative solutions was pivotal in enhancing the platform's functionality and user experience.
- **Lead Development:** Engineered a comprehensive integration platform that interfaces seamlessly with third-party systems. Implemented Single Sign-On (SSO) across various services with platform multitenancy, significantly improving user accessibility and security. Enhanced the REST API interface by integrating JSON Web Tokens (JWT), bolstering security, and streamlining data exchange processes.
- **Team Management:** Successfully led and managed diverse, cross-functional development teams. I established rigorous coding standards to ensure high-quality software development, conducted detailed code reviews, and effectively managed team tasks and deliverables. My proactive approach ensured that all projects met stringent deadlines, facilitating timely and critical feedback to clients and stakeholders.

**Tech Stack:** .Net Framework, .Net core, AWS, Docker

## Miza (Contract)

*September 2019 – Jan 2020*

Miza facilitates and speeds up various payments to individuals, banks, companies and the government sector, and continues to develop new services that include all payments.

### Senior Solution Architect/Lead Developer

Led the application development, for A2F (access to finance) platform, which is a Supply Chain Financing Solution.

- **Solution Architecture:** Refined and built on top of current application architecture to make the solution cloud ready and scalable. Introduced container architecture and Microservices for certain part of the solutions.
- **Lead Development:** Laid the foundations for the backend/frontend development. Create the application cloud infrastructure with CI/CD pipelines using Azure Container Management and Docker.
- **Blockchain Development:** Started creating the blockchain development framework using private blockchain (Corda R3). Defined the architecture and the development framework for the smart contracts.
- **Team Management:** Started building the development team and managed 3 developers working on the frontend and the backends.

**Tech Stack:** .Net core, Azure, Corda, Kotlin, Docker, Kubernetes

### Equitativa (Contract)

*May 2019 – September 2019*

Leading regional asset management company that focuses on managing real estate investment trusts (REITs). The holding group offers innovative risk-adjusted, income generating financial products that cater to institutional and retail investors.

### Blockchain Architect

Led the Blockchain development, as a blockchain architect, I worked closely with the property management to get a better understanding about the assets and property management.

- **Blockchain Development:** Transformed some of the legacy application to managing property ownership and KYC into the blockchain. Created an ERC20 and ERC721 tokens with airdrop functionalities to certain clientele based on predefined business cases.
- **Team Management:** Helped the backend development team understand blockchain fundamentals and concepts. Trained some team members on Solidity and smart contract.

**Tech Stack:** Java, Solidity, C++

### Mentor Global Consultants

*July 2014 – May 2019*

A management consulting firm that helps organizations to improve performance and reach their full potential through consulting services, supported by digital solutions.

### Senior Application Architect | Development Team Lead

In my role I have been a key part in driving technology service line offerings and managing digital transformation projects. My expertise lies in closely collaborating with the Engagement Managers to define product life cycles and analyze client business needs. This approach ensures the design, development, implementation, and support of state-of-the-art solutions that align with the latest technology trends and requirements.

- **Digital Transformation:** Spearheaded the creation of an online learning management system for a UAE banks, leading to the delivery of 5,000 e-learning courses in 2017 and managing 6,000 workshops, significantly enhancing training efficiency.
- **SaaS Cloud Platform:** Developed a scalable SaaS solution for talent development, supporting up to 50,000 concurrent users. Hosted on Microsoft Azure, it streamlined competency management and learning processes.
- **Blockchain Innovation:** Initiated an online, blockchain-secured platform connecting a global community to technology learning and career opportunities, fostering a fulfilling livelihood in tech-related professions.
- **Team Leadership:** Effectively led cross-functional teams in development and QA, establishing coding standards and ensuring timely delivery of customer-focused solutions.

- **Business Process Re-engineering:** Implemented a knowledge management portal for a local bank, improving staff efficiency and knowledge of bank products, policies, and procedures.

In my role, I have leveraged my technical expertise and leadership skills to drive significant digital transformations, enhance operational efficiencies, and foster innovative learning environments.

**Tech Stack:** .Net core, Azure, Solidity, Docker

### Born interactive

*April 2014 – September 2014*

A 20 year-old independent Integrated Communication Agency dedicated to offering creative, innovative, state-of-the-art digital and interactive solutions.

### Senior Web and Mobile Developer

Led the Windows Phone development team, as a senior web and mobile developer, I worked closely with the project management team to enhance the client's current mobile applications and update the application to latest version of Windows Phone.

- **System Architecture:** Enhanced an existing Windows Phone 8.1 applications, to allow radio and podcast streaming of Kurdish, Arabic stations. Upgraded the architecture of the application in order to integrate a market place with a payment gateway integration (PayPal and Net Commerce). This gave users the ability to access their paid content from their mobile device and the online store.
- **User Experience:** Developed a Facebook application for the Lebanese Ministry of Tourism, allowing users to share their own pictures and videos of the Lebanese landscapes and views to promote tourism. The application was built with a user-friendly interface in order to encourage engagement.

**Tech Stack:** .Net Framework, Windows Phone, C#, SQLite

### Ubanquity LTD

*January 2013 – April 2014*

A privately held Irish-based FinTech specialized in offering ubiquitous and cutting-edge products and solutions to banks and financial institutions, catering to the next generation of customers, in an ever-changing environment.

### Windows Phone Developer

Played an integral part of the mobile development team. I was responsible for the Windows Phone Platform; focusing on a banking application that promotes an innovative and intuitive way of banking allowing the user to access financial services with minimal navigation.

- **System Integration:** Successfully collaborated with the API and Middleware teams to enhance the application architecture, and enable offline features; giving the application a competitive advantage in the market. Some of the project highlights include the following:
  - The application was adopted by a bank in Jordan and 2 banks in Lebanon.

- Created client reward system which were adopted by all other platforms (IOS, Android and BB10)
- Mentored some team members on the UWP to import the application to the Windows Store.

**Tech Stack:** .Net Framework, C#, C++

## Cleartag International

May 2010 – May 2013

*Cleartag* is a web design and development agency in Lebanon, Dubai and Saudi Arabia. *Cleartag* is a provider of digital solutions in the MENA region.

### Web Developer

In my role as a Web Developer, I have been responsible for creating innovative web solutions for clients and developing a highly interactive kiosk application for a prominent bank in Lebanon. My key contributions include:

- **Enterprise Application Development & Integration:** Engineered the core Windows Communication Foundation (WCF) and Data Layer for a digital self-service branch of a leading bank, enhancing customer banking experience through a secure, personalized, and user-friendly application.
- **SaaS - Cloud Platform Development:** Developed a versatile online marketplace, offering users a unique shopping experience with features like US shopping & shipping options and exclusive deals from Lebanese merchants. Managed three distinct backends for vendors, admin, and shipment providers.
- **Maintenance, Change, and Incident Management:**
  - Ensured the smooth functioning and integration of a banking application for check clearing and IATA checking, including updates for check reading and printing peripherals.
  - Optimized banking card performance by refining the data layer interfacing with Oracle and SQL Server databases, bolstering system security and resolving issues in the FINI (SOAP) System.

In this role, I have demonstrated my ability to develop and manage complex web applications, ensuring high performance, security, and a superior user experience.



## EDUCATION

**Bachelor of Arts | Hariri Canadian University**

2006 – 2011

Business Administration/ Business Computing Major

### Additional Professional Development

- Certified Ethical Hacker by EC Council - V8
- Certified Swift Level 2 from Cambridge Certification Authority
- Completed Developing Solutions for Microsoft Azure (AZ-204)
- Certified Project Management – **PRINCE2 Foundation**



## ACHIEVEMENTS

- Nominated to be a mentor at the EOSIO Hackathons in both Hong Kong and Australia
- Selected from a pool of 4,000+ applicants to be part of the second cohort of the Antler Co-Founder Accelerator program in Singapore
- Participated in IOST Blockchain Market Penetration Strategy
- Grew a tech YouTube channel to more than 15000 subscribers, teaching C#, Asp.Net Core, Azure, Angular and DevOps



## TECHNICAL PROFICIENCIES & FUNCTIONAL EXPERTISE

- Cloud Architecture (Azure, AWS)
- SaaS application development
- Project Management
- C#, C++, Java, JavaScript and PHP
- Web Development (ASP.Net & .Net Core, Angular, VueJs)
- Mobile Development (Swift, Kotlin)
- Desktop Development (Win Forms, WPF, UWP, .NET MAUI)
- Relational and Non-Relational Database development
- Blockchain (EOSIO, Corda, Solidity, Truffle, Hyperledger)



## LANGUAGES

Arabic – Native Speaker

English – Full professional proficiency

French - Full professional proficiency

Spanish – Currently learning