



Mohammad Al Baker Zaytoun

Senior Software Engineer

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// OBJECTIVE

Complete masters and take PHD in artificial intelligence.

// WORK EXPERIENCE

Zaytoun Solutions

2025 - Now

Founder & CEO

- Define vision & strategy: Set company mission, product roadmaps and go-to-market plans for bespoke software, educational platforms and digital services.
- Lead cross-functional teams: Drive collaboration across backend (Node.js, Express, MongoDB), frontend (React, Next.js), mobile (Flutter), DevOps (AWS, Docker, Kubernetes) and marketing.
- Oversee end-to-end delivery: Architect scalable full-stack solutions, manage cloud infrastructure and CI/CD pipelines to ensure rapid, reliable releases.
- Drive business growth: Secure key contracts, negotiate strategic partnerships, manage P&L and deliver consistent year-over-year revenue gains.
- Validate product-market fit: Conduct market research, gather user feedback and iterate features to maximize adoption in telecom, SaaS and education verticals.
- Cultivate stakeholder relations: Liaise with investors, board members and enterprise clients—aligning on objectives, KPIs and ROI.
- Implement agile excellence: Introduce Scrum, Kanban, OKRs and performance metrics to optimize team productivity and delivery cadence.

Skills: Node.js · Express.js · MongoDB · React · Next.js · Flutter · AWS · Docker · Kubernetes · CI/CD · Agile Leadership · Product Management · Strategic Planning · Stakeholder Management · P&L Oversight

Flyesim

2025 - Now

Senior Technical Consultant

- Consult on and enforce scalable backend architectures, driving technical excellence across all projects.
- Identify and eliminate performance bottlenecks, boosting system throughput and resilience.
- Mentor teams on microservices, event-driven design and API security, ensuring best-in-class implementations.
- Translate complex business requirements into precise technical roadmaps, aligning engineering efforts with strategic goals.
- Establish and optimize CI/CD pipelines, automated testing and monitoring frameworks to accelerate delivery while maintaining unwavering quality.

Skills: Node.js · Express.js · MongoDB · Microservices · System Architecture · Performance Tuning · CI/CD · Technical Leadership

Flyesim

2024 - 2025

Backend Development Team Lead

- Spearhead the design and delivery of highly scalable, resilient backend systems.
- Enforce rigorous code quality and performance benchmarks to guarantee production-grade stability.
- Orchestrate seamless collaboration across frontend, QA, and DevOps teams to accelerate time-to-market.
- Champion continuous innovation by mentoring developers on

architectural best practices and cutting-edge patterns.

Skills: MongoDB · NodeJS · ExpressJS

Protel S.A.L Offshore

2023 - Now

Senior Software Engineer

- Architect and deliver end-to-end solutions—from Android mobile apps to high-traffic web platforms—using Java, PHP, Node.js (Express, Hapi.js) and modern front-end frameworks.
- Design, integrate & optimize SMS and VoIP services (SMPP, SIP) with RESTful and SOAP APIs, ensuring carrier-grade reliability in the NOC environment.
- Lead research & prototyping of new frameworks and technologies; evaluate trade-offs and recommend optimal approaches to solve critical business challenges.
- Administer & tune Oracle, Microsoft SQL Server and MySQL databases: design schemas, write complex stored procedures and implement performance-tuning strategies.
- Automate build & deployment pipelines with Git, Docker and shell scripting on RedHat Enterprise Linux—reducing release cycle time and minimizing manual errors.
- Implement data analysis workflows in Python to extract insights, drive feature prioritization and inform technical roadmaps.
- Provide L2/L3 support for telecommunication systems: troubleshoot network incidents, coordinate cross-team resolution and maintain 99.9% service uptime.
- Mentor and pair with junior engineers: enforce best practices, conduct rigorous code reviews and foster a culture of continuous improvement.

Skills: Android Development · Java (Spring) · PHP (Laravel) · JavaScript (ES6+) · Node.js · Express.js · Hapi.js · REST & SOAP API Integration · Oracle · Microsoft SQL Server · MySQL · Python (Data Analysis) · Docker · Git · CI/CD · RedHat Enterprise Linux · SMPP · SIP · Telecommunication Systems · NOC Operations

Lancaster Tamar Hotel

2022 - 2023

Head of IT Department – Cluster Assistant

- Architected & optimized the hotel's network infrastructure, including Cisco switches, Wi-Fi access points, IP cameras and CCTV systems, ensuring seamless connectivity and security.
- Monitored & troubleshoot Windows servers (performance, temperatures), network devices and services—maintaining >99.9% uptime and rapid incident resolution.
- Administered Active Directory and domain controllers: implemented security policies, user provisioning and system hardening.
- Managed core hospitality platforms (Opera PMS, Micros POS, Sun Financials, FBM inventory): performed system configuration, service monitoring and prompt fault remediation.
- Designed & deployed touchscreen kiosks for the hotel restaurant to enhance guest ordering workflows.
- Implemented backup & DR solutions with Veeam for virtual machines and critical data, ensuring reliable recovery processes.
- Delivered on-site and cross-property IT support across Lancaster hotels in Lebanon—responding to urgent technical requests and leading infrastructure upgrades.

Skills: Networking · IP CCTV · Windows Server · Active Directory · Opera PMS · Micros POS · Sun Financials · FBM Inventory · Veeam · Systems Monitoring · IT Support

LouLoua TV

2022 - 2022

Senior IT Assistant

- Monitored & maintained broadcast workstations and servers, guaranteeing 24/7 on-air reliability.
- Diagnosed & repaired hardware and software failures swiftly, minimizing downtime for live programming.
- Managed network uplinks, routers and switches to ensure stable connectivity between studios and transmission points.
- Implemented preventive maintenance routines and collaborated with engineering to optimize system performance.

Skills:Hardware Troubleshooting · Network Monitoring · Uplink Management · Windows · Linux · TCP/IP · Broadcast IT Support

Mining Tech

2021 - 2022

Engineering Technician

- Engineered & maintained high-performance cryptocurrency mining rigs: assembled hardware, optimized BIOS settings, and diagnosed component failures to maximize uptime.
- Administered company IT infrastructure—desktops, laptops and networked servers—implementing OS updates, security patches and routine maintenance.
- Directed the organization's digital media strategy: managed social channels, produced analytics-driven content, and grew audience engagement.
- Produced marketing collateral and video advertisements using Adobe Premiere Pro, After Effects and Photoshop, elevating brand visibility.
- Optimized cooling and power configurations for mining operations, improving hash-rate efficiency and reducing energy costs.

Skills:Mining Rig Assembly · Hardware Troubleshooting · Windows/Linux Administration · Network Support · Adobe Premiere Pro · After Effects · Photoshop · Social Media Management

MAAREF University

2021 - 2022

Teacher Assistant

- Facilitated C++ and Java lab sessions covering programming fundamentals, OOP principles and core data structures.
- Designed and refined hands-on exercises to reinforce concepts like pointers, inheritance, recursion and algorithmic efficiency.
- Provided one-on-one guidance and group support, clarifying complex topics and resolving student queries to boost understanding.
- Evaluated and graded assignments, delivering targeted feedback that accelerated student skill development and academic performance.

Skills:C++ · Java · Object-Oriented Programming · Data Structures · Lab Instruction · Student Mentorship

AlBachaer Radio

2018 - 2019

Installation & Maintenance Assistant

- Deployed & maintained radio broadcast infrastructure—including transmitters, antennas and studio hardware—across multiple sites in Lebanon.
- Installed & configured IP camera systems for centralized monitoring from Beirut, enhancing security and operational insight.
- Diagnosed & repaired hardware and network issues on-site, minimizing service interruptions and ensuring 24/7 broadcast reliability.
- Coordinated with field teams and station managers to schedule preventative maintenance and equipment upgrades.

Skills:Broadcast Equipment · IP Camera Systems · Hardware Installation · Network Troubleshooting · Remote Monitoring · Field Support

Zaytoun Computer Repair Service

2016 - 2025

Founder

- Built and scaled a full-service computer repair business, overseeing operations, client acquisition and service delivery.
- Diagnosed and resolved complex hardware and software issues on laptops and desktops—upgrades, data recovery and performance tuning ensuring 100% customer satisfaction.
- Designed and deployed custom Android applications (Java/Kotlin) and responsive websites, translating client requirements into polished digital products.
- Managed end-to-end project lifecycles: scope definition, timeline planning, budgeting and quality assurance.
- Established streamlined workflows and inventory control

processes, optimizing turnaround times and reducing costs.

Skills: Hardware Diagnostics & Repair · Operating Systems · Android Development · Web Development · Client Relations · Business Operations · Project Management

// SKILLS

Programming & Frameworks

Mobile Development

Leadership & Communication

Problem Solving & Learning

Fix Computers/Laptops

IT Operations, Consulting, Project Manager

Networking & Systems

Telecom & Integration

DevOps & Infrastructure

Databases

MS Office

Working in groups

Public Speaking

Build-Maintain Mining Rigs

Multimedia & Design

// INTERESTS

Cybersecurity

Coding

Photography

// ACTIVITIES

2014 - 2015

Volunteering

Beirut - Group Admin/Manager

Cycling for Environment: cycling every day for a month.

2016 - 2017

Volunteering

Beirut - Rafik Hariri hospital

Visiting cancer patients and taking care of them for a day.

// ADDITIONAL INFORMATION

I love cooking, photography and learning new skills every day.

// EDUCATION

2019 - 2022

MAAREF University
Computer Science

GPA: 3.5/4

// CERTIFICATIONS

Advanced Full Stack Development with AI from Forward Mena
2025

Microsoft Power BI DAX from Scratch
2023

Master in Microsoft Power BI Desktop and Service
2023

NDG Linux Unhatched course in the Cisco Networking Academy
2020

PCAP: Programming Essentials in Python provided by Cisco Networking Academy
2020

Learn Ethical Hacking From A-Z: Beginner To Expert Course
2021

Reverse Engineering and Memory Hacking with Cheat Engine
2021

Introduction to Cybersecurity by Cisco Networking Academy
2020

Introduction to IoT by Cisco Networking Academy
2020

Deep Web - The complete Introduction to the hidden web
2021

Git from Basics to advanced: Practical Guide for Developers
2021

The Complete SQL Course: Become a MYSQL Master
2021

SQL Programming and MySQL Developer Certification Training
2021

IEEE Lebanon Entrepreneurship Summit: Smart Sustainable Cities
2020

Object Oriented Programming Basics to Advance (Java OOP)
2021

MySQL Database Development Mastery
2021

Mastering SQL Server | Passage to become Database Developer
2021

Comprehensive SQL Bootcamp: Beginner to Advanced
2021

// HONORS & AWARDS

Dean's Honor List: Letter of commendation by
MAAREF University
2021 & 2022 & 2023

Top 10 at AUB hackathon titled by "Hack The Fake"
2020

2nd place at Al Mahdi Schools competition(Between
all Al Mahdi Schools over Lebanon) titled by "How
to face family disintegration due to social
media"
2017