

# MICHEL FAWAZ

Illinois, United States

[LinkedIn](#) | [michelfawaz.com](https://michelfawaz.com) | [michelfawaz87@gmail.com](mailto:michelfawaz87@gmail.com) | [GitHub](#)

## EDUCATION

---

### American University of Beirut

B.S. Computer Science

Beirut, Lebanon

September 2018 – June 2022

- **Relevant Courses:** Algorithms And Data Structures, Software Engineering, Software architecture, programming languages, and machine learning.

### Certificates:

- **Meta Back-End Developer** by Meta on Coursera. Certificate earned at September 7, 2023

## PROFESSIONAL EXPERIENCE

---

### Akashic

Software Engineer

Paris, France

January 2023 – Present

- Designed and built monolithic NestJS backends capable of handling 300,000 requests per minute with low latency (<20 ms) and a minimal error rate (<0.1%). Improved fault tolerance by implementing NGINX for load balancing.
- Implemented caching techniques using **Redis** to optimize database retrieval and achieved a throughput increase of 500%.
- Reduced database query times from 1000ms to **20ms** by optimizing AQL and SQL queries, improving system performance.
- Directed modeling of data and **API** endpoints to allow for seamless frontend integration to backend
- Implemented server-side rendering with **Next.js** to improve page load time, achieving a Lighthouse SEO score of 100

### BUIDL Academy

Full Stack Software Engineer

Florida, USA

September 2022 – January 2023

- Orchestrated the successful launch of a decentralized e-learning platform by designing and implementing a smart contract-based architecture using **Solidity**, resulting in a 100% secure, transparent, and decentralized management of courses.
- Implemented smart contract-based architecture using **Solidity** for secure and decentralized management of courses.
- Spearheaded the development of an **NFT** certificates smart contract for the issuance and verification of digital credentials using non-fungible token **ERC-721** standard, providing learners with verifiable proof of their achievements.
- Leveraged my expertise in Solidity programming language to integrate blockchain technology with **SQL databases** and web applications, achieving a seamless user experience for over 100's of learners on the platform.

### AKRO Labs

Blockchain Software Engineer

Paris, France

January 2022 – January 2023

- Developed 8 full-stack web applications using React, Node.js and other technologies, delivering high-quality products on time and budget.
- Led a 5-person development team using agile development techniques including daily standups, story point estimation, and sprint retrospectives. Managed projects to consistently achieve 4.5/5 stakeholder satisfaction rating.
- Architected and implemented a new OAuth2 authorization server using Node.js and Passport.js, increasing security for 80K+ users by leveraging industry standard encryption and secure access and refresh token management.
- Prevented \$500K loss for client by auditing and identifying exploitation vulnerabilities in three deployed smart contracts.
- Architected end-to-end solutions for clients encompassing decentralized apps, smart contracts auditing, and crypto consulting, cementing status as a leading web3 expert.

## PROJECTS

---

### Viral Shorts Creator AI Saas

Generative AI Saas to create short form viral content with catchy subtitles from longer videos powered by **OpenAI**

September 2023

### KnowledgeBase Chat AI Saas

Saas that allows users to upload any form of documents (PDF, web links, files...) and have a custom AI agent that you can chat with and is trained on your data

February 2023

### FungibleFlex

Web3 Saas for enthusiasts to meet, connect and collaborate by merging the digital and physical world

February 2023

### Le Vesuvio

NFT Membership collection for the Vesuvio restaurant (cannes, france) Frontend backend and smart contract development

May 2023

### Aktion T4

NFT collection development for the Aktion T4 campaign. Developed The minting page, Smart contract and metadata generation

December 2022

## SKILLS

---

- NextJS | React | Node | NestJS | Express | Redux | MongoDB | NoSQL | ArangoDB | Graph Database | HardHat
- JavaScript | TypeScript | Solidity | Python | C++ | Java | SQL | AQL | HTML | CSS
- AWS | Git | CI/CD | Jest | Unit Testing | Lambda | OOP | Vercel | REST API
- Microservices | Distributed Systems | Backend | Agile Methodology | Full-Stack | English, French, Arabic – All Fluent