

## Professional Experience

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### Backend Engineer

*dox Technologies Inc.*

Jun 2021 - May 2023

*Beirut, Lebanon (Remote)*

- Worked on **six core microservices** for the backend, ensuring their optimal functionality and performance. E.g. Developed a notification backend service using **Node.js/TypeScript** and **Express**. Enabled seamless communication with other microservices via RabbitMQ and facilitated sending emails and web notifications powered by Socket.io.
- Developed and deployed a **serverless Python service** using an internal library to simulate user's battery data, implemented as a Lambda function triggered by user-uploaded simulation data.
- Maintained and contributed to a **shared TypeScript library**, enabling core functionalities across microservices and reducing an average of 19 dependencies per service.

## Relevant Projects

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### SocialApp ([Web App](#) | [Backend](#) | [Frontend](#))

Dec 2023 - Mar 2024

- Developed a social media platform using the **MEAN stack** to connect users and facilitate content sharing.

### Sustainable Market ([Web App](#) | [Backend](#) | [Frontend](#))

Jun 2023 - Nov 2023

- Developed a robust e-commerce platform using the **MERN stack** to connect sellers and customers, promoting sustainability and eco-conscious living.

### Replit Bounties

Dec 2022 - Mar 2023

Completed eight Replit bounties, excelling in Backend and Frontend projects, key achievements:

- Developed a full-stack admin template using React, **Flask (Python)**, and **PostgreSQL**. ([Bounty](#))
- Developed a TypeScript library that enables automating announcements and tracking interactions on Dev.to, Discord, and Twitter. ([Bounty](#))
- Integrated eBay API into a **Java-based backend service** within a Spring Boot project. ([Bounty](#))
- Integrated Algolia search into a web application (React and Flask). ([Bounty](#))
- Created a simple ASP.NET boilerplate app vulnerable to JSON.Net Insecure Deserialization. ([Bounty](#))
- Created a simple NestJS microservice that wraps two Wikipedia API calls. ([Bounty](#))

## Technical Skills

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**Programming languages:** Experienced in TypeScript/JavaScript. Familiar with Python and Java.

**Frameworks:** Experienced in Node.js and Express. Familiar with React, Angular, and Flask.

**Databases:** Experienced in MongoDB. Familiar with ArangoDB, Redis, and PostgreSQL.

**Other:** Git/GitHub (Version Control), Docker (Containerization), Postman (API Testing), Socket.io (Real-time Communication), RabbitMQ (Message Queue), AWS (S3 for storage and Lambda for serverless computing).

## Education

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**Lebanese University** B.Sc. in Management Information Systems

Oct 2019 - Sep 2023

Relevant Coursework: Object-Oriented Programming, Data Structures & Algorithms, Operating Systems

**Holberton School** Web React Development Course

Jan 2021 - Apr 2021