

Elias Abou Jaoude

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Experienced software developer with 8 years of experience in various domains, specializing in back-end development and system design. Proven track record in leading component design and implementation, fostering cross-team collaboration, and mentoring junior developers.

EXPERIENCE

Software Development Engineer

January 2022- August 2025

Amazon - Toronto, Canada

Worked on the Encoding Orchestration team within Prime Video that provides a platform to manage source validation, encoding and publishing of video-based content, processing tens of thousands of workflows daily.

- Designed and implemented a new orchestration system based on direct acyclic graphs, improving scalability for encoding workflows and reusability of completed processes.
- Migrated numerous components from a Swift-based to a Java-based stack, reducing deployment times from days to hours through enhanced CI/CD, and increasing unit and integration test coverage to 90%.
- Refactored and simplified monolithic workflows with branching paths into multiple linear workflows, thereby decreasing redundancy and reducing failure remediation time from hours to minutes.
- Collaborated with cross-functional teams to deliver products and features within the broader scope of Prime Video.
- Ensured operational excellence through participation in on-call rotations.

C#/ WPF Developer, Associate

June 2021- January 2022

Morgan Stanley - Montreal, Canada

Worked within the UI team to deliver Desktop applications supporting Fixed Income and FX products.

- Developed applications in C#, following the MVVM architecture and applying object-oriented design patterns and principles.
- Collaborated with teams and members across the globe to deliver projects in a timely manner.

Front-End Developer

February 2020- June 2021

IVèS Inc. - Montreal, Canada

Developed client-side applications for a French company providing software for the deaf and hard of hearing.

- Led the development of a UWP app using C# on the Microsoft Store, achieving over 1,000 downloads.
- Assisted in developing features on the Android application.

Full Stack Developer (contract)

May 2019- October 2019

Megaphone - Beirut, Lebanon

Architected megaphone.news, a news website for a Lebanese media activist group.

- Developed the front-end using ReactJs and the back-end using a headless Wordpress CMS.
- Provided technical solutions for requirements from UI/UX designers and content publishers.

Back-end and Machine Learning Developer

June 2017- March 2019

Seez-App S.A.L - Beirut, Lebanon

Collaborated within an agile startup team focused on streamlining the car purchasing process.

- Developed features using diverse machine learning solutions, such as gradient boosting for price prediction and NLP models for a chatbot.
- Coded in Python to develop microservices that support machine learning features.
- Collaborated with global cross-functional teams to ensure projects were completed on schedule.

EDUCATION

Master of Science in Biomedical Engineering, Imperial College London

Graduated with merit, October 2016

Bachelor of Engineering in Computer Engineering, American University of Beirut

Minor in Mathematics, May 2015

Bachelor of Engineering in Chemistry, American University of Beirut

Graduated with distinction, May 2015

CERTIFICATIONS

AWS Certified Developer - Associate, Amazon Web Services, September 2025

SKILLS

Programming: Back-end Development, System Design, TDD, Continuous Delivery, Databases

Technology Stacks: Java, Typescript, ReactJS, Git, Amazon Web Services, Python, C#, Docker

Languages: English, French, Arabic (Fluent). German, Spanish, Romanian (Intermediate)