

# Hussein Mokdad

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## Skills

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- JavaScript | TypeScript | Node | React | React Native | Redux | Mulesoft | Ember | C# | .NET | C++ | Python | Git
- AWS | AppSync | API Gateway | CI/CD | Jest | Unit Testing | Lambda | OOP
- Frontend | Backend | Full-Stack | Microservices | English, Arabic – All professional proficiency or above

## Experience

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### Backend Subteam Leader

gtlogic

Mtaileb, Lebanon 01/2024 - 06/2024

- Led a subteam of backend developers to implement two critical new features.
- Led research and planning for the new features, communicating with product and frontend teams to identify missing pieces and needed changes.
- Managed weekly standups, created new tickets, and paired with team members to brainstorm solutions.
- Assisted in training new team members as they started picking up tasks for the new features.
- Set up the new project with AWS CDK, leveraging AWS API Gateway, AWS Lambda, and on-premises databases for API architecture.
- Designed APIs following the REST architecture, with each resource backed by a standalone Lambda function.

### Full Stack Software Engineer

gtlogic

Mtaileb, Lebanon 01/2022 - 12/2023

- Used AWS CDK to develop a serverless application on AWS which exposes GraphQL and Rest APIs.
- Developed GraphQL APIs using AWS AppSync with various AWS integrations like Lambda and Step functions.
- Covered the Lambda functions with unit tests using Jest and used Jest mocks to mock external APIs and database queries.
- Developed Rest APIs that wrap the GraphQL APIs and are automatically updated through the CDK application with the GraphQL APIs.
- Published multiple packages to AWS Code Artifact and used them inside Lambda functions which acted as resolvers for AWS AppSync.
- Integrated a Mulesoft application that parses Excel sheets with the GraphQL API in order to automate bulk inserts/updates of records through the API.
- Worked on a front-end dashboard using NextJS, and integrated the dashboard with back-end APIs using react-query.

### Front End Engineer

gtlogic

Mtaileb, Lebanon 06/2021 - 12/2021

- Upgraded existing Javascript Ember components to Ember Octane and Typescript.
- Worked on adding and improving features in [SIMON](#), an online benefits portal accessed by more than 29 million users.

### Software Engineering Intern

Murex

Beirut, Lebanon 06/2020 - 08/2020

- Developed a Python script that dynamically generates a wrapper for a tool developed and maintained by Murex (responsible for setting and manipulating the environment for deployment and testing of Murex System).
- Adhered to the SOLID and clean coding principles and used design patterns to keep the code decoupled and maintainable.
- The wrapper supports auto-completion, default arguments and executing operations from a remote server over SSH while receiving output in real-time.
- Implemented different tasks that use Azure APIs in Ansible to queue a build, submit pull request feedback and manipulate repos and pipelines as a plugin for the same CI tool used for environment management and testing.

## Education

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### Bachelor of Engineering

American University of Beirut

Beirut, Lebanon 08/2017 - 05/2021

- Major in Computer and Communications Engineering

## Projects

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- **Duolingo Words:** Developed a full stack web application which uses the unofficial Duolingo APIs to display the practiced words in the different languages being learned on the Duolingo app. The site enables users to choose a language and directs them to the language words page, presenting a complete list of words that were covered in the lessons they completed within the language tree. The website supports searching for words, filtering by date of practice or category and sorting alphabetically or chronologically. The website was made with NextJS using its builtin support for apis.

## Others

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- Member at Large of Biomedical Engineering Student Society, American University of Beirut. (2019-2020)