FATIMA CAROLINA BDEIR

BSc Computer Science, AUB, Dec 2018. Minor in Creative Writing

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EXPERIENCE

Junior Software Engineer
Monty Mobile

📅 May 2019 - Present   📍 Beirut, Lebanon

- Unit and integration tests using Junit 4 and 5, as well as containerized tests.
- Created an API server to perform business and database logic with OAuth2.0.
- Developed a library to send and receive SMS messages using Cloudhopper (SMPP) and Spring.
- Developed a library to en-queue and de-queue messages to and from RabbitMq using Spring Boot.
- Developed a library to create RestTemplate beans to allow easier and cleaner API calls in other projects.
- Developed a git pre-commit hook to enforce a common codestyle.
- Applied continuous integration by testing, packaging, and staging merged projects on the pipeline to servers.
- Software documentation and ER diagrams to propose a database structure for reverse engineered code.

  `Java` `Spring Boot` `Linux Commands` `Linux servers` `systemctl` `SMPP` `Maven` `PostgreSQL` `MySQL` `Rest APIs` `Checkstyle` `Junit` `Docker/Containerized Tests` `Git` `MyBatis` `Bitbucket` `Gitlab` `RabbitMq`

Internship - Artificial Intelligence Developer
Murex

📅 July 2018   📍 Beirut, LEBANON

- Member of a team that developed chatbot applications using various artificial intelligence technologies and software architectures.

  `C#` `xUnit` `Microsoft Bot Framework` `LUIS` `DialogFlow`

Internship - Artificial Intelligence Developer
CardioDiagnostics

📅 June 2018   📍 Beirut, LEBANON

- Research different methods to automate electrocardiogram (ECG) classification using machine learning and feature extraction, then training of a neural network to classify different cardiac arrhythmias.

  `AzureML` `Python` `Azure virtual machines` `Keras` `Tensorflow`

PROJECTS

ASKI
An Amazon Alexa skill to query AUB course offering.

- Stored course data in NoSQL DynamoDB on AWS cloud, then wrote AWS Lambda functions written in Javascript using Nodejs

  `AWS Lambda` `Alexa Skills Kit` `AWS DynamoDb`

TBear
A mobile application for reporting Tuberculosis Bumps.

- Done with the supervision of the head of family medicine at AUBMC Dr. Ghassan Hamadeh.
- Created Lambda functions on AWS in Python accessed through the Amazon API Gateway.
- Took part in the image processing development using the OpenCV library.

  `OpenCV` `AWS EC2` `Javascript` `Python`

EDUCATION

B.S. in Computer Science. Minor in Creative Writing.

American University of Beirut

📅 February 2019

ACTIVITIES

Contributor to a book: Arab Women Voice New Realities | Nov 2017
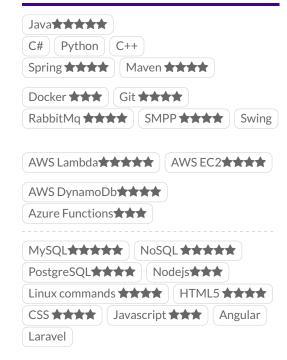One-chapter contribution to the anthology published by Turning Point.

President and founder of the Harry Potter Club

Treasurer of the Korean Culture Club

SKILLS/PROGRAMMING LANGUAGES

`Java★★★★★`

`C#` `Python` `C++`

`Spring ★★★★` `Maven ★★★★`

`Docker ★★★` `Git ★★★★`

`RabbitMq ★★★★` `SMPP ★★★★` `Swing`

`AWS Lambda★★★★★` `AWS EC2★★★★`

`AWS DynamoDb★★★★`

`Azure Functions★★★`

`MySQL★★★★★` `NoSQL ★★★★★`

`PostgreSQL★★★★` `Nodejs★★★`

`Linux commands ★★★★` `HTML5 ★★★★`

`CSS ★★★★` `Javascript ★★★` `Angular`

`Laravel`

SPOKEN LANGUAGES

▸ English: Native
▸ Arabic: Excellent

NATIONALITIES

▸ American
▸ Lebanese