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Education

- 2016-08 - **Bachelor of Science: Management Information System**
2019-06 Lebanese University Faculty Of Economics And Business - Beirut
- 2013-08 - **Bachelor of Science: Electronics**
2015-06 Lebanese University, Faculty Of Science - Beirut
- 2015-01 - **Electrical Maintenance, Security Camera, And Sensor**
2015-04 Borj Al Barajne Institute - Borj Al Barajne



Work History

- 2020-03 - **Project Manager**
2020-06 Intelligent Technology Solutions, Beirut

My responsibility was to lead a team which I was training to build and maintain web application.

The applications included chatbots and the company website. Most employees had no work experience or knowledge of the frameworks or libraries used in the company (Reactjs, Nodejs, Laravel, Dialogflow, websockets, http requests, MVC,

components, google maps, online payment). As a consequence, besides training and teaching these employees (4 trainees), I worked full stack developer on the projects at hand.

2016-04 - **Salesman**

2017-12 Clothing Stores, Beirut

2016-08 - **Teacher**

2017-06 Choueifat National College, Beirut

2015-06 - **Electrical Maintenance**

2015-08 Self Employed, Beirut



Recent Projects

Chatbot

A system that uses machine learning (Dialogflow API) to serve customers on chatting apps. Clients such as restaurants can subscribe to benefit from this service.

My role in this project is full stack developer, there no team or any person involved in this project.

- The chatting apps that I'm currently working on are WhatsApp and Facebook messenger.
- The system consists of Laravel API app as backend and a Reactjs app as a frontend.

- Different Technologies is utilized to enhance its performance; including WebSocket (pusher.com), token authentication (JWT/ Passport), Google Maps API, Online payment (2checkout).
- To run the backend server, I used Xampp (Apache server).
- MySQLi is used as a database which I managed using phpMyAdmin and migrations.
- Composer is used to make the Laravel App and manage its libraries.
- The Reactjs App uses Redux (stores, reducers, combineReducers, actions, middlewares) to manage data store, Axios to request data from APIs (post, get, delete, put http requests which will be accompanied with tokens in the header I case of private or authorized only requests) , http interceptor to handle tokens, and react navigation libraries for navigation between pages (history, react-router-dom, reactnavigation)
- I used WebSocket for different purposes such as notifications and instant (real world) messaging, put it simply for any new event initiated over a channel or subchannel that a user or other users are subscribed to.
- In Laravel application which is based on MVC so obviously I used models to represent each table or a resource that has a set of attributes, API resources and collections to manage the details if a model/s attributes before sending it as json response, controllers to fetch data from database (using eloquent ORM) and other APIs and send responses back or trigger specific events over their respective channels, migrations to manage database tables and relationships, middlewares to handle configuration between classes and authentication, API routes to handle requests and correlates them to the controllers and their methods, events that are defined and instantiated when they need to be triggered.
- Passport library is used for authenticating and authorizing users by generating tokens using client secrets which is provided after registration with email and password)
- Note: this chatbot doesn't use any WhatsApp or Facebook partner framework that provides API services to send and receive messages such as Twilio. I've already tried and completed a prototype project using those partners but I reached a conclusion that there is not much

profit because they charge much money for their services. Besides, the chatbot capabilities were limited to the framework they provide. So, I used another approach that costs basically nothing compared to them (for the sake of intellectual property

I will not go into details)

Happening

Event Announcement and Ticket Reservation System that I started as a graduation research (summer

2019). Basically, different organizations can announce events and other users can make reservations.

My role in this project is full stack developer, there no team or any person involved in this project.

- The system consists of jQuery as frontend and php as backend.
- The backend uses Xampp which operates Apache server and MySQLi as database which in turn I managed by phpMyAdmin.
- Requests from frontend were made using ajax library and response data were served in json format from backend.
- I've also used online payment (2checkout sandbox account), Google Map API.
- Google Map API was used excessively as many events were rendered on the same page with each has a different location, i.e. many different maps rendered on the same page at the same time.

After graduation I enhanced the project and turned it to a Laravel API application as backend and React native application as frontend. I used:

- Web Socket (pusher.com)
- token authentication (JWT/ Passport)
- Google Maps API
- Online payment (2checkout)
- Xampp (Apache server, MySQLi, phpmyadmin)

- Web Socket used for notifications, new announced events, posts, comments, ratings
- In React-native I used react-native navigation, redux (stores, reducers, actions, middlewares)
- In Laravel application I also used models to represent each table or a resource that has a set of attributes, API resources and collections to manage the details of a model/s attributes before sending it as json response, controllers to fetch data from database (using eloquent ORM) and other APIs and send responses back or trigger specific events over their respective channels, migrations to manage database tables and relationships, middlewares to handle configuration between classes and authentication, API routes to handle requests and correlates them to the controllers and their methods, events that are defined and instantiated when they need to be triggered.
- Passport library is used for authenticating and authorizing users by generating tokens using client secrets which is provided after registration with email and password)

Product-Scanner

A simple shopping mobile application in which users can add new products to their store (realm library) by scanning the QRCode of the product or filling a form. In addition, to using web sockets and push notification to alert a user for new available products

- It's a cross platform mobile application (Android and iPhone) written in react native
- React-native- camera library is used to make use of the mobile camera which will be used in scanning a product QRCode
- React-native-push-notification and pusher-js libraries are used to manage the notifications sent over a channel to inform a user when a new product is available
- React-navigation react-native-screen/stack are used in navigation between screens



Programming Languages

Top: JavaScript, , PHP, HTML5, Cascading Style Sheets (CSS), LESS (Stylesheet Language), Visual Basic .NET (VB.NET), SQL, and MySQL/MySQLi

Average: Java, C++, C

Little: Python, C#,



Software

Top: Visual studio, phpMyAdmin, postman, , Microsoft Excel, Microsoft Office, Microsoft Word, Microsoft PowerPoint, Microsoft SQL Server, Visual Studio, Microsoft Visual Studio Code, SAP PowerDesigner, XAMPPApache, SPSS, and SQL database

Little: NetBeans, Glassfish, Eclipse, Eclipse-ee,



Frameworks

Top: Laravel, jQuery, Node.js, React.js, React Native, .NET Framework, ASP.NET, ADO.NET

Average: Bootstrap, wordpress.com, wordpress.org.

Little: Django, angular



Languages

Arabic: native

English: fluent