

Hasan Awada



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Personal Profile

I am a highly responsible, hardworking and organized person with over 8 years of experience in software development. I've started my career as a junior software engineer, and nowadays I'm a technical and product manager at a startup company in Beirut. Always committed to deliver high standards with self-motivation and determined to achieve the goals that I set mind into. I've a strong combination of both business and technology skills that allows me to develop solutions from.

Education

October 2009 – June 2010, high school Beirut, Lebanon

Lebanese Baccalaureate - Life Sciences

October 2010 – June 2014, Lebanese International University – Beirut, Lebanon

Bachelor, Major: Computer Science

Languages

English – Good

Arabic – Native

Skills

Technical & Technology Skills

-General: Project/Product Management Skills, Agile, Scrum Master Skills, Team leader, strong communicational skills in.

-Python Django, Channels, Rest, DevOps, AWS.

-Java: Java SE, JavaEE(JSF, EJB, JPA), Spring

-Android: Kotlin, MVVM, Retrofit, Room, RxJava, Firebase (Crashlitics, Analytics, Authentication and authorization, Push Notifications), Ormlite, ZXing for barcode scanning, ALTheacon for beacons detection, flavors.

-Javascript, React, CSS3, HTML5, Bootstrap

- Micro-services
- Docker
- Jira, GIT, BitBucket, Agile, Scrum, Kanban.

Databases:

MySQL, Postgres, NoSQL MongoDB, Oracle...

IDEs:

Android studio, VS Code, IntelliJ, Eclipse, NetBeans, Visual Studio...

Application Servers:

Glassfish, tomcat, Jonas...

Https servers:

Nginx, Apache tomcat

Mail Servers:

James.

Professional Experience

[Stellar-DevOps](#) (November 2019 – Nowadays)

Technical Manager

Products:

- **Medical Application:** A multi-tenant cloud-based web and mobile enterprise solution for clinics and medical centers. The application is build using Python-Django on the backend, React and React-Native on the frontend
- **Procurement:** A web and mobile solution for procurement management. It's also built using Django, React and React Native.

Projects:

- **CCMM:** Mobile application for CCMM organization based in Canada. The mobile app is built using React Native to support both Android and IOS platforms. In addition, a CMS is also built to manage the content of the mobile app dynamically. The CMS is built using React and hosted on AWS.

In addition to overseeing the products/projects lifecycle starting from requirement gathering and analysis to implementation, and testing as product/project manager, I basically take care of the backend implementation and devops operations on AWS.

[SAUGO360](#) (November 2018 – November 2019)

Senior Software Engineer – Team Lead

Projects involved

- **FellowTenant:** A project that revolutionizes the process of listing a property in UAE. It's made up of a well-designed, smooth, responsive and high-performance web portals for user, and other one for admin verification. In addition to mobile (Android, IOS) application for users.
 - Design and analysis in front of requirement gathering
 - Analysis and choosing the best technologies to use for this project
 - Choosing PYTHON/DJANGO for backend, REACT for web & REACT Native for mobile.
 - Back-end infrastructure setup (Database, workflow, processes...)
 - Development environment setup (NGINX, DAPHNE, https)
 - Leading the team during development processes on top of AGILE methodology.
 - Meetings and discussions for team tasks on daily basis.
 - Setting up chatting backend feature using web sockets (Python Channels) and REDIS (in-memory database server)
 - Building restful web services using Django Rest Framework.
 - Implementing FCM for notifications.
 - Integrating Firebase for analytics, crash-litics and push notifications.
 - Integrating TWO-CHECKOUT and PAYFORT for payments.
 - Integrating TWILIO for sending messages SMS.
 - Setting up Mongo DB for NOSQL database.
 - Setting up staging and production environments on AWS.
- **MedApp:** An in-house modular and parametrized product that provides solution for clinics. It's made up of core common features that every clinic needs such as users management and appointments... On top of that, each specialty has its own specific module that covers it's special needs.
 - I was behind the architecture, analysis and planning setup.

- I've chosen the programming languages to be PHP Laravel for backend, angular 7 for frontend and Metronic admin template for presentation layer.
- I was playing the role of project manager of a team made of a team leader and 3 other developers.
- Jira scrum planning for releases, sprints and daily tasks.
- I do daily scrum and spread tasks on the team each sprint planning.
- I do overall planning to make sure that we are developing something innovative and fruitful with high standards and quality.

CME Off-Shore (November 2017- November 2018)

Senior Software Engineer

Projects involved

- **Nome:** Android application that runs on TXL terminal with kotlin.
 - Setting up mvvm software architectural pattern with rxjava.
 - Setting up room database along with retrofit client
 - Writing backend web rest web services for mobile
 - Firebase FCM for push notifications.
 - Adding flavors to support multiple clients
 - Creating and developing many ui screens with their ViewModels and repositories and business layers.
- **ZippyYum:** Android application for Subway built with Kotlin. I contributed in the following
 - Adding firebase integration for Crashlytics and Analytics.
 - Adding flavors: enabling it to build different versions of the app from single project.
 - IQLiveReport Generation: Opening a table report on web viewer and converting the content of the table into recycler view inside the android app after parsing and manipulating that content using JSoup.
 - Building Settings page which is a preference page along with many pages under it from A to z.
 - Push Notification with firebase.
 - Working with google location services and maps.
- **Budderfly:** An enterprise application built using Java 1.8, Spring boot and JHipster along with many customized devices that measures and sends energy consumption to deliver immediate and significant energy saving. My contribution in this project had many aspects:
 - Implementation of new features.
 - Fixing bugs in MHA (Main Hosted web application).
 - Handling and fixing support issues related to devices or applications that are running on each device.
 - Integrating the Users Management of MHA with new micro service dedicated for authentication and applying migration process to move all the users that exist on MHA to the cloud database of the micro service.
 - R&D for many issues, one of them related to the QSR micro service that is responsible for receiving energy measures from devices and sending them by one message per interval to the server.
 - Respecting SOLID and coupling and cohesion principals.
 - Unit testing using Junit library.

AIIA Solutions (Jul 2016- Nov 2017)

Senior Software Engineer

Projects involved

- **Exone:** Is an enterprise application that has a website built with python and Django and 2 android apps, one for visitor and another for exhibitor. Its purpose is to control big

exhibitions and organize the information of the visitors and exhibitors to facilitate operations and save time.

- I was responsible for analyzing the requirements and building the proper database using python and Django.
 - I created web application to manage some features like CRUD operations of visitors, exhibitions, exhibitors and events.
 - I created a map to provide a live view of the exhibition showing how the visitors are moving in addition to a playback feature for previous hours and even days.
 - I created the needed APIs (web services) for the two android application.
 - I created an android application for Exhibitor, it enables the user to display information about his company, share contacts with visitors, see nearby people and take notes...
 - I created an android application for visitor, its main job is to collect Bluetooth signals from beacons to identify the visitor location based on a complicated algorithm, in order to show the visitor information about the nearest company, in addition the user will be able to share contacts, take notes, and so many other important features.
- [Dots](#): is an innovative end to end solution that turns the usually tiring and complex delivery journey into an easier and effective one. Its built with python & Django.
 - I was part of the analysis and requirement gathering team that prepared and developed the infrastructure of the project.
 - I created the needed APIs for driver and manager android applications.
 - I created 2 android applications, one for driver and one for manager. Each one of them has the following main features:
 - An always alive service to send location of user each x seconds.
 - Firebase: Crashlitics, Analytics, Push Notifications.
 - Flavors.
 - Barcode Scanning.
 - Workflow of product handling.

[XPREA](#) (Jan 2015- Jul 2016)

Software Engineer

Projects involved

- City Info: I was responsible of developing, upgrading and maintaining the presentation layer from controllers to interface and design.
- Building layout and controllers using object oriented javascript on top of HTML5, CSS3, JQuery and Bootstrap.

[Path Solutions](#) (Jan 2014- Jan 2015)

Software Engineer

Project involved

- Internet Banking: Is a web application that gives the bank client a secure interface to handle his usual jobs related to bank. I had a remarkable contribution in:
 - Upgrading and rewriting the layouts of all pages from old html table layout, into HTML5, bootstrap, and division's layout.
 - Moving from old servlets into JSP and tag library.
 - Fixing bugs supported by QA/QC and clients.

JSL(Jan 2012- Jan 2014)
Software Engineer

Projects involved

- **Mailing System**
 - I developed a complicated local mailing system using JAMES mail server.
 - It was web based application with attractive interface similar to Gmail one.
 - It has all mailing system features like send/receive emails, attachments, forward, reply and so on.
 - I used Java Mail API to cover the technical/business layer.
 - I used JPA hibernate to build the models and cover the database layer.
 - I used EJB to handle the business layer and created interceptors to check the connectivity to the Mail Server before each request.
 - I used JSF with HTML5, Bootstrap and CSS3 to build the presentation layer.
- **School Management System (HR Module)**
 - Requirement Gathering and database analysis and development.
 - Presentation layer from the controller design and building to the web interface and in between using JSF, Bootstrap, CSS3 & JQuery.
 - I used EJB for business layer.
 - I used JPA for database layer.
- [NewLarys](#) website.

References:

Available upon request