MAGED M. YOUSSEF

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> I've been developing software with Java, Python and Javascript for the past 4 years.
> I'm passionate about full-stack development, DevOps & UX.

EXPERIENCE

Mentor - Siemens // Software Development Engineer
Dec 2017 - Present (2+ years)

Technically responsible for developing **full-stack data-driven** applications that are used across Mentor ICVS division.

- Created a **new framework** to **visualize** data from regression tools *(Angular, Python & Flask)*.
- **Leading** a team to develop a **monitoring system** to visualize the performance data & help users create their own customized dashboards for better UX *(Angular, Java & Spring)*.
- Participated in the **UX design process** for multiple projects.
- Implemented a tool to detect high traffic on network filers resulting from unexpected users behavior *(Django)*.
- Developed a **plugin for JIRA** to integrate with existing release notes system *(Javascript & Java)*.
- Enhanced a system used for release notes generation **to be generalized** to use it across all teams *(Javascript & Perl)*.
- Developed & enhanced **dashboards in Perl/CGI** to visualize data from regression tools *(Perl)*.

Technologies Java, Spring Framework, Python, Flask, Django, Angular, Javascript, Perl, MySQL and PostgreSQL.

Freelancing // Web Developer
May 2016- Dec 2017 (1.5+ years)

Working with multiple clients to **develop websites** & provide different **web development services**.

- Created a **church management** system *(Angular, Python & Django)*.
- Developed a **store locator** for a multi-branch shop in Egypt *(Angular & Nodejs)*.
- Developed multiple **CMS** websites *(PHP & Wordpress)*.

Technologies Angular, Python, Django, Nodejs, PHP and Wordpress.

Bel3raby.net // Co-founder
Sep 2015 - Present (4+ years)

Co-founded "bel3raby.net" as a non-profit organization to enrich the scientific Arabic content on the internet. Besides my role as a co-founder, I'm **technically responsible** for any development related to the project.

- Developed a **custom CMS** site for the project *(Vuejs, Nuxt & Wordpress API)*.
- Implemented a layer to **integrate Vuejs & Wordpress API.**

Technologies Vuejs, Nuxt, Wordpress and Wordpress API.

Moviefy // Graduation Project
Sep 2016 - July 2017 (9 months)

Developing **LSTM RNN deep learning** algorithm to detect feelings and **emotions** from text & then **recommend** movies.

- Implement the LSTM RNN model that's used for **emotions detection** *(Python)*.
- Developed the **web interface** as well as **REST APIs** for mobile app communication *(Django & Javascript)*.
- **Deployed** the application on **AWS** - Elastic Beanstack *(AWS)*.

Technologies Python, Django, Neural Networks, Keras, Tensorflow, Javascript, AWS and MySQL.

EDUCATION

BSc Computer Engineering - Class 2017 - Faculty of Engineering, Ain Shams University

GPA: 3.2 (Very Good with Honor)
Graduation Project Grade: Excellent

PROJECTS

PlanX
(Vuejs, Java, Spring Framework & Microservices)

An open-source tasks & project management system using microservices architecture.

SpringCMS
(Vuejs, Java & Spring Framework)

A custom open-source CMS built on top of Spring Framework.

St. Mina Portal
(Angular, Python & Django)

A data management & analytics system for church services.

WP-API
(Nodejs & Wordpress Database)

A nodejs API that provide access to Wordpress database & has multi-site support.

WP-Migrate
(Nodejs & Wordpress REST APIs)

A CLI tool to export & import wordpress site data using Wordpress REST APIs.

MOOCS

Spring Framework 5: Beginner to Guru - **Udemy**

User Experience: The Beginner's Guide - **Interaction Design Foundation**

Information Visualization: Getting Dashboards Right - **Interaction Design Foundation**

Angular Learning Path - **Ultimate Courses**

RxJs & NgRx Learning Path - **Ultimate Courses**

Vuejs Learning Path - **Vue Mastery**

TECHNOLOGIES

Angular, Vue, RxJs, NgRx, Jasmine, Mocha, Webpack, SPA, SSR

Javascript, Nodejs, Typescript

D3.js, Chart.js, ApexCharts, HighCharts, Ag-grid

Java, Spring Framework, Boot, WebMVC, Data, Security, RabbitMQ, Eureka, MyBatis, Hibernate

Python, Flask, Django, SQLAlchemy, ORM

REST, HTTP, Swagger

Service workers, LocalStorage, Browser Caching

MySQL, PostgreSQL, MongoDB

AWS, Digital Ocean, Nginx, Apache, Redis

Microservices, Containers, Docker

DevOps, Jenkins, Git, Perforce

Wordpress