Omar Almoallim

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EDUCATION

UNIVERSITY OF OTTAWA
BSc. Honours Computer Science with Data Science
Graduation date: Dec. 2020

LINKS

 Github://**OmarAlmo**
 LinkedIn://**omar-almoallim**

SKILLS

TECHNICAL
- TypeScript • JavaScript • NodeJS
- C# • .NET• Java
- Python • Flask
- Ruby on Rails • Angular
- HTML5• CSS • Bootstrap
- SQL Server• MySQL
- PostgreSQL• GraphQL
- ERP - MS Dynamics NAV
- Agile/ Scrum development

SOFT SKILLS
- Team player • Focused
- Passionate • Committed
- Fast Learner • Motivated
- Problem Solver
- Excellent Communication

INTERESTS

- Capture The Flag
- Secure Systems
- AI
- Cryptography

LANGUAGES

Fluent:
- Arabic • English
- French(intermediate)

EXPERIENCE

SOFTWARE ENGINEER INTERN | Cole Haan KSA
6 months beginning Sep 2nd 2020
Ecommerce frontend/ backend integration TDD (An Agile development)
- Assisted in designing, analysis and implementation of Shopify stores
- Contributed in CSS/ Liquid development of multiple fashion stores including ColeHaan.sa, Coach.sa, RosaClara.sa, Menbur.sa
- Developing an API to integrate Shopify store with MS Dynamics ERP
- Extensive use of NodeJS with SQL server, with Sequilize ORM
- Python scripting to manage bulk product modifications using GraphQL API
- Involve in designing and development of logistic control/ WMS portal for Ecom fulfilment

SOFTWARE ENGINEER INTERN | Flinks Pvt Ltd. May - Aug 2020
Scrum team development an enterprise service portal for Flinks Customers
- Technologies used are .NET Core as the backend with Angular frontend stack, PostgreSQL database and Google Firebase for user authentication
- Developed an updated client dashboard that will be used by Flinks customers

PROJECTS

VOLUNTEER | Community Engagement App
- A typescript node GraphQL API with PostgreSQL database
- An application that allows organization to post volunteer opportunities, to facilitate the candidate becoming a member and participate in the community

BEAM | Search Engine
- Developed a python flask search engine web application
- Uses different modes of retrieval (VSM or boolean), spelling correction, and ranking methodologies and algorithms
- Incorporate different libraries including NLTK, Pandas, and SciKit-Learn to build a search engine

LIGHTWEIGHT CRYPTOGRAPHY | Thesis Project
- Benchmarked numerous NIST lightweight cryptography algorithms
- Thesis was done under the supervision of Dr. Carlisle Adams
- The benchmarking is all developed in C & python languages
- More details can be found here

PIXSTORE | Image Store and Repository
- Developed an image repository web application that allows users to upload and share images
- The application uses NodeJS-Express with MongoDB, and front-end created using UIkit

LEMMA | Knowledge Exchange Platform
- Developed a platform that enables an individual to learn about their interest and share their expertise with one another
- Used NodeJS-Express and GraphQL API with MongoDB as database