

# Hassan Elhamaky

## Frontend Web Developer

Self-Motivated Individual eager to get an opportunity as a web developer to build applications and solutions for businesses to help them boost their online presence and achieve their goals.

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## EDUCATION

### Enterprise Cloud Developer Nanodegree Udacity 📄

12/2019 - 04/2020

#### Courses

- Cloud computing, power, security, storage, networking, messaging, and management services in the cloud.
- Designing and deploying scalable, extendable, and maintainable applications using cloud architecture.
- Microservice architecture patterns, independent scaling, resiliency, service replication, registration and discovery.

### Full Stack Web Developer Nanodegree Udacity 📄

06/2019 - 10/2019

#### Courses

- SQL databases and multi-user web applications using Flask framework, SQLAlchemy, and authentication providers such as Google and Facebook.
- CRUD pattern, RESTful architectures and operations of the database-backed web service. Authentication and authorization best practices to develop login system.
- Preparing an AWS Lightsail instance to host web applications, securing it from a number of attack vectors, besides installing & configuring server.

### Bachelor of Electronics and Communication Engineering Menoufia University

09/2013 - Present

#### Computer Science related coursework included

- Algorithms and Data Structures, C++ Programming, Logic Design, SQL Databases Design, Architecture and Programming of Microprocessors, Microcontrollers programming, Networks, and image processing.

## WORK EXPERIENCE

### Digital Marketing Specialist Upureka for Web Solutions 📄

06/2017 - 06/2018

#### Responsibilities

- Design digital campaigns aligned with business goals and coordinate the creation of digital content.
- Maintain a strong online company voice through social media channels for each client.
- Liaise with Sales and Product development teams and track and get insights into competitors' strategies.

## SKILLS & TOOLS

HTML5

CSS3

JavaScript

React

Bootstrap

Sass

Node.js

Express

MongoDB

git

REST APIs

GCP

AWS

Firebase

AdobeXD

## PROJECTS

### Full Text Search Using MongoDB and Realm 📄

- Autocomplete Search Box using MongoDB Atlas Search and Realm Serverless Webhooks which assures synchronization between the Database and the indexed collections without any replication.

### React Infinite Scroll Gallery 📄

- Optimized Infinite Scroll Gallery Using React.js and Netlify CLI. Used netlify functions to create a proxy server to keep Unsplash API Secret Key from being exposed in the client side.

### Weather Progressive Web App 📄

- The App meets the PWA criteria as it registers a service worker and provides offline access to cached weather searches. It has a manifest in order for it to be installed on the user's device. Meets the web accessibility guidelines.

### Serverless React Note Taking App 📄

- Note Taking Serverless Application Implemented using Amazon Web Services and Serverless Framework.
- Application Backend consists of six Lambda Functions connected to DynamoDB database and S3 attachment bucket
- Authentication is implemented using AWS Cognito service.

## SCHOLARSHIPS

### Google Africa Developers (06/2020 - Present) 📄

Scholarship offered by Google for African Developers, supported by Andela Learning community, and Delivered over Pluralsight. Studying the Mobile Web Specialist track for six months.

### African App Launchpad - AAL (01/2020 - 04/2020) 📄

Scholarship provided by the Ministry of communication and information technology which enabled me to study the Cloud Developer Nanodegree program from Udacity for four months.

### Cloud Engineering with Google Cloud (05/2020) 📄

Experienced many of the computing and storage services available in Google Cloud Platform, including Google App Engine, Google Compute Engine, Google Kubernetes Engine, Google Cloud Storage, Google Cloud SQL, and BigQuery.

### Next Technology Leaders - NTL (06/2019 - 10/2019) 📄

Scholarship provided by the Ministry of communication and information technology which enabled me to study the Full Stack Developer Nanodegree program from Udacity for four months.