

HAZEM HAGRASS

Lead Software Engineer

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EXPERIENCE

Technical Lead

EDGY

Aug 2016 – Ongoing Houston, USA

- Help starting and growing the SEO Foundation team by utilizing my development and leadership skills.
- Leading a remote team of software engineers in developing Performance Monitoring Tools using Agile methodologies. This includes coaching, mentoring, providing technical leadership as well as reviews.
- Deliver technical direction for sites performance improvements to Fortune 100 clients working in collaboration with Google engineers. Assisted a Fortune 100 company in having its site become the top performing SEO site in its industry according to Google's guidelines.

PHP Node.JS MEAN.JS JavaScript MongoDB

Senior Software Engineer

BADR

Aug 2010 – Aug 2016 Alexandria, Egypt

- Leading visualization/mobile teams of software engineers in developing Charts Visualization Tools and Mobile dashboards using Agile methodologies. This includes coaching, mentoring, providing technical leadership as well as code reviews.

PHP Node.JS MEAN.JS JavaScript MongoDB

Android Cordova

Senior Software Engineer

Bionic Click

Jan 2017 – Dec 2018 Houston, USA

- Full Stack Senior Engineer.
- The solution helps customers to clearly translate the customers' online search behavior into offline sales. With ground-breaking technology, keyword-level call tracking, focused dynamic landing pages, and exclusive intelligence from all the major search engines Bionic Click puts the power of offline conversion tracking at your finger tips.

PHP Symfony JavaScript

Senior Software Engineer

Cash Refunds

March 2016 – Oct 2018 Houston, USA

- Full Stack Senior Engineer.
- Develop the Cash Refunds web and mobile applications for restaurants. The main idea is to give the customer a random discount each time he bays something taking into the consideration the restaurant profits.

PHP Cordova

CAREER OBJECTIVE

"Leadership role in corporate strategy development and execution in a global company, designing smart workflow, and leading team members to realize company mission and goals"

MOST PROUD OF

- Award**
2020 - EDGY Innovation Triangular Award
- Award**
2019, 2018, 2016 - EDGY Employee of The Year Triangular Award
- Award**
2015 - BADR Employee of The Year

Career Growth
Top %5 reputation over stackoverflow.com

CERTIFICATES

- Course**
2015 - Great Leaders, Great Results
- Course**
2016 - Situational Leadership
- Course**
2023 - Principles of Secure Coding

STRENGTHS

Project Management EOS Agile

JavaScript jQuery Vue.js React
AngularJS 1.x Backbone.JS

NodeJS ExpressJS MEAN.js
MERN.js

PHP Symphony MongoDB
Android Cordova

LANGUAGES

English
Arabic



Senior Software Engineer

Elite HRV

📅 Jan 2016 – Jan 2017

📍 Houston, USA

- Full Stack Senior Engineer.
- Heart Rate Variability (HRV) tracking app for deep insight into your health, stress, recovery and nervous system balance.
- Develop the EliteHRV web dashboard, backend and mobile app. The backend app was built using PHP Zend to provide APIs to both mobile and web apps.

PHP

Cordova

Angular

Android Instructor

QVision

📅 April 2014 – Jul 2014

📍 Alexandria, Egypt

- Tech the mobile team how to develop mobile apps using native Android.
- Monitor the team development skills in small projects.

Android

Cordova

PUBLICATIONS

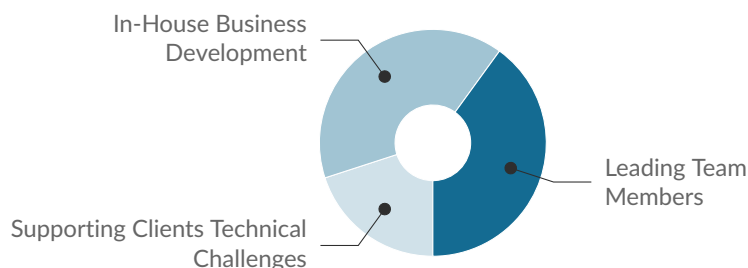
A location-aided routing protocol for cognitive radio networks

📅 Aug 2009 – Jan 2013

Multi-hop cognitive radio networks (CRNs) are gaining interest recently in many practical applications. With location information becoming more available, designing location-aware routing protocols that fit the nature of CRNs becomes a necessity. We present LAUNCH as a location-aided routing protocol for CRNs that has a set of desirable properties: efficient use of the common control channel, has a minimal route setup delay, prefers stable routes, handles primary users heterogeneity, and handles secondary users mobility. LAUNCH is based on four main concepts: (1) a novel location-aware CRN routing metric that takes into account the PUs activity; (2) distributed calculations at the neighbors; (3) a channel locking mechanism to achieve the route stability and minimize channel switching time; (4) an efficient route maintenance strategy. Evaluation of LAUNCH on the NS2 simulator shows that its performance significantly outperforms the current state-of-the-art CRNs routing protocols in terms of end-to-end delay and packet loss rate. In addition, LAUNCH incurs a low control overhead with a fast route establishment delay.

<https://ieeexplore.ieee.org/document/6504178>

A WORK DAY OF MY LIFE



EDUCATION

Bachelor's Degree in Computer Engineering

Alexandria University, Egypt

📅 2006 – 2010

INTERESTS



Soccer



Computer Games

REFEREES

Jonathan Stefanczyk

@ jonathan.stefanczyk@gmail.com

SAMPLE PROJECTS

SEO Monitoring Tool

EDGY

📅 2020

- The tool is monitoring any group of URLs to analyze their performance over time.
- It's crawling the sites looking for indexing or SEO issues
- It's testing each URL mobile and desktop performance using Google Page Speed Insights, Google Lighthouse and GTMetrix.

MEAN.JS

MixaWallet

Seeloz

📅 2015

- Dashboard App: MixaWallet Personalized Offers lets businesses of any size create digital promotions targeted to specific customers based upon how they shop. Your offers are sent to customers via email, text messages and/or our mobile app, MixaWallet. To redeem, all customers need to do is tell the cashier their phone number during checkout.
- Mobile App: Digital wallet where shoppers can consolidate their existing loyalty programs, receive customized offers, and learn more about loyalty programs of interest in their respective locales. Shoppers can access their digital wallet via mobile app or the MixaWallet site to view offers and change preferences.

Android

Bionic Click

Bionic Click

📅 2013

- <http://www.bionicclick.com/>
- Bionic Click's ultimate goal is to provide an explosive business results. All of the solutions are designed to help you identify how well your online marketing strategies are making your phone ring... AND...to provide you with critical data and specific steps you can take to continually increase ROI.

PHP

Symfony

JavaScript

Pinpoint

LOK Systems

📅 2011

- <http://lo-ksystems.com/Products/PinPointProduct/PinPointDemo.aspx>
- Pinpoint is a self-service technology that not only provides customers the ability to quickly locate products(using shortest path) or services at your facility, but increases average ticket sales through suggestive up-selling in an intuitive non-intrusive manner.
- Path Finder app is a main part of the Pinpoint app. It is used to find the path from user location to products locations in a Mall, the algorithm is smart enough to determine blocks in its way and try to avoid them. the app is using greedy algorithm to map between floors and A* algorithm to map products within the same floor.

Adobe Flex

C++

Digital Signage

LOK Systems

📅 2012

- Digital signage used to shows information, advertising and other messages.
- It can be used in both public and private environments, including retail stores, hotels, restaurants, and corporate buildings, among other locations. It can be controlled by global central point called 'UNIK'.

HTML5

Backbone.JS
