Ahmed Wasfy

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Work Experience:

TD Canada
Toronto, Canada October 2017 - Present
  Senior Software Engineer
Working with the credit card team, try to migrate all angular projects from 1.5 to angular 8. Worked on building common
  components for the platform. Worked on refactoring the backend to use latest technologies. Had an initiative for integrating
  machine learning into the app. Supporting all team members in day to day activities. Leading multiple successful
  deployments that resulted in 500% sales increase. Working on improving developers daily activities by automating/easing
  processes.

Sears (Initium lab)
Toronto, Canada Feb 2017 - October -
  2017
  Senior Software Engineer - Team Lead
Started as a full stack engineer, worked on uber like concept for trucks, along with other small projects in nodejs. Lead the
  innovation/integration team, my first project was a pricing management tool for certain categories at sears. Then started
  working on ETL integration between legacy systems and ERP.

Veriday Inc
Mississauga, Canada Nov 2013 - Feb
  2017
  Software engineer
Worked on improvements, features, bug fixes and QA for Digital Agent, Working on both frontend and backend using Java,
  backbone, selenium and bootstrap along with other javascript libraries. New clients migration (building automation tools)
  and Production support.

Drag Codes
Mississauga, Canada Sept 2013 – Nov
  2013
Lead Developer and founder.

Keyora Inc
Oakville, Canada
Aug Oct 2013 - Nov 2013
Junior Software Developer
Worked on Wave (Keyora CMS) using knockout and bootstrap.

Veriday Inc
Mississauga, Canada
Aug 2013 - Sep 2013
Junior Software Developer
Worked on improvement, bug fixes of Digital Agent mostly in frontend using backbone, underscore, and bootstrap.

Misr International University
Cairo, Al Qāhirah, Egypt
Oct 2012 - Jan 2013
Undergraduate Teaching Assistant
Assisted in the programming I course for freshman students.

HCI lab
Cairo, Al Qāhirah, Egypt
Jan 2011 - Jul 2012
Junior Researcher
I worked on a research in Human computer interaction and Brain Computer interaction.

Misr International University
Cairo, Al Qāhirah, Egypt

Oct 2011 - Jan 2012
Undergraduate Teaching Assistant
Assisted in the programming I course for freshman students.

Education:

From Misr International University
Cairo, Egypt
Bachelor of Computer Science July 2013

Technical

OOP,Design Patterns,Algorithms,Data Structures,Database Design,HCI,BCI,C++,C#,WPF,Windows Phone,PhoneGap,Java,Spring,Android,PHP,Codeigniter,Laravel,Asp.net,MySQL,HTML,JavaScript,Meteor,NodeJs,MongoDB,Backbone,Knockout,Underscore,CSS,Selenium,Reactivision,Surface SDK,Angular (1.x - 2 - 4),React,Go,Liferay,Netsuite,Wordpress

Projects:

Initium: Point of sale integration (Spring, Camel, Netsuite, Postgresql) - 2017
The Point of sale integration is a 3 microservices architecture that handles the integration between the new POS system and syncs the transactions to netsuite using the netsuite api. The transactions are synced in a batch-fail-to-retry config.

Initium: ORM (Spring, Camel, Netsuite, Postgresql) - 2017
The ORM integration is a 3 microservices architecture that handles the integration between the orm system and syncs the transactions to netsuite using the netsuite api. The transactions are synced in a batch-fail-to-retry config.

Initium: Price intelligence tool (Express (NodeJs),Mongodb,Postgresql) - 2017
The price intelligence tool is used to recommend prices for MA category and sleep sets. The tool was to be provided with the competitors prices and it would recommend a new price.

Initium: Virtual Assistant (Express (Nodejs), Angular 4) - 2017
The virtual assistant (VA) is a standup kiosk that was deployed in the Sears stores to help customers make better buying decision with minimum human interaction. The VA is equipped with 2 cameras, kinect for future software updates.

Initium: Two days home shipping (Express(NodeJs), Spring, Mongodb) - 2017
The two days home shipping is a routing solution to provide real time routing for incoming orders by customers.

My free time: Daily Prices (Laravel, MySQL, React Native, Selenium, Spring-Boot) - 2017
Daily prices is a mobile app the provides to the minute updates for forex, gold, silver and dairy products prices in Egypt.

My free time: Everyday Recipes (Laravel, MySQL, Ionic, Angular, Selenium, Spring-Boot) - 2016
Everyday's Recipes gathers recipes from all over the internet in just one app, used selenium to scrape the most popular recipes websites and normalizing the data. Used ionic to create an Android app to serve the scraped data to the end user.

My free time: Kijiji auto-posting (Spring-boot, Angular and MySQL) - 2016
The Kijiji auto-posting tool is a tool based on jHipster for scheduling posting to kijiji.

My free time: Brandat (Laravel, Cordova, jQueryMobile, Estimote) - 2016
Brandat is an Android application that shows the latest offers from fashion vendors, The twist is that the offers show when you pass near by the shop, this is where the Estimote (iBeacon,Eddystone) is used to advertise the latest offers to all the nearby cell phones and the Android app will show a notification with the current in shop offers.

Veriday Inc : Comparison tool (Spring-boot, bootstrap and Selenium) - 2016
The migration tool was built to ease the process of QAing the migrated websites using the migration tool and produces a report that would be handed to the client. This report can easily point out any failures if any and enhances the UAT process and makes it quicker. The comparison tool, compares screenshots of the old and the new website, test and compare hues.

Veriday Inc : Migration tool (Spring-boot, bootstrap and Selenium) - (2016 - Present)

The migration tool was built to ease the process of acquiring new clients for digital agent, The migration for new client is one of the biggest issues when acquiring new big client, migrating thousands of websites would require months and months of manual effort, so instead the migration tool helped Veriday to have the ease of mind when acquiring new client ex.(Biggest banks in CA and US). The migration tool would feed the current website urls and it will extract all the content and leveraging DA exposed api to migrate the websites to Digital Agent. By migrating any website to Digital Agent only takes a couple of minutes with less than 10 minutes of manual QA, decreasing the migration of a website from half a day to less than 20 minutes.

The Bucket Game: Trivia games (Meteor, Mongodb, Cordova) - 2015
The bucket game is a meteor-cordova mobile game. The challenge in the bucket game was to create a multiplayer based game using the latest technology in a time frame less than 3 month fully function supporting multiple devices, showing real time updates. Choosing Meteor was a risky decision as meteor was still in preview but it was an excitement working with a piece of technology that was less 6 month old. The Bucket Game is a full of components game, from handling the user notifications, achievements and in game flow to regular signup/login. I build the game from line 1 till the last build and deploy.

Veriday Inc : Digital Agent (Java, Html, JavaScript, CSS, Java, MySQL, Liferay, Selenium) - (2013 - Present)
Digital Agent is a marketing automation technology that increases digital impact for financial services sales agents and enterprise marketing teams. My role in Digital; Agent working as a full stack developer working on frontend, backend and QA by building automated test suites using selenium webdriver(Java) increasing the confidence in each release by having a solid testing prior. Also for Digital Agent I worked on creating an automated migration tool to migrate advisor's websites to Digital Agent to minimize using human resources in the migration process. Also created a SEO ranking script that would check the ranking for each of the websites that are created using Digital Agent to check whether the websites was indexed or not pages indexed and sort of other stuff, generating a report that compares each website result over time to monitor behaviour.

System Analysis Course: Hospital System (C#, MS Access)
An Application based on C# for monitoring a hospital records.

AI Course: XO game Single and multi-player (c#)
A C# based XO game but rather support single player with an undefeated agent

Drag Codes: Drag Codes (PHP, Html, JavaScript, CSS, MySQL)
Drag Codes is a smart way of teaching programming for beginners, using the drag and drop interface to build a simple simulated application with primitive data types.

Team Graduation Project: Enriching tangible user interface using everyday objects (C#, WPF, TUIO, Surface SDK, EMGU, MySQL, XML)
We created a multi-touch surface based upon the FTIR concept. Then we used the concept of Tangible user interface (TUI) in order to enrich the touch surface. Combining the touch surface and TUI, we developed a small scale operating system that the user can use. The software's main theme is handling the objects that are placed on the surface in such a way that helps the user to easily manipulate them. As for the applications on our operating system, developers can develop WPF user controls that can be installed easily by the user for adding more functionality for the user.

My free time: Drag codes (C#, WPF)
A small framework based on C# and WPF. The aim of the framework is developing small applications using only Drag and Drop actions and without writing any line of code.

HCI Lab: Restaurant's Menu Touch table based (C#, WPF, Kinect)
A restaurant's menu application that targets touch based surfaces using Kinect.

HCI Lab: BCI Research
Started to look in the Field of Brain computer interaction, it's latest research and how it's a hot topic in the research field.

Android Code Camp: Cannon Balloons Game (Android)
An android based game. The theme of the game is cannon shooting balloons.

Web Development II Course: Student portal (PHP, MySQL)
PHP based student portal. This portal is used by the student for giving extra help in keeping track of his/her studies.

Distributed Systems Course: Bingo multiplayer game (Java, TCP)
A multiplayer java based game using TCP as communication between the clients and the server.

Web Development I Course: Content management system (CMS) (PHP, MySQL)
Developed a small scale CMS.

Software Engineering Course: Ticketing system (Asp.net, MySQL)
An Asp.net based web application that helped the students in printing their own documents easily.

HCI Course: MIU compass (Android, PHP)
Developed an Android based application. This application is developed using GPS, used by the freshmen students in order to reach any building on the campus without any trouble.

My free time: FlipFlop game (java)
Simple game it idea is simple clicking the most card in one minute.

Java Course: Paint (java)
Normal windows paint developed by java

My Free Time: SSO (C++)
Student support portal developed as a windows console application.

Technical Activities:

- Guest speaker in misr international university - session for senior students - trending frameworks (2017)
- Guest speaker in misr international university - session for junior students - now and then (2017)
- Technique support member (Discovery 2.0, 2013)
- Youthspark member (MIU tech club, 2013)
- Microsoft Imagine Cup (semi-finals Egypt, 2013)
- Made in Egypt (second phase 2013)
- Google code jam (qualified to round 1, 2013)
- Microsoft student partner representative (MIU tech club), 2013)
- Multimedia member (ISLC 2013, 2013)
- Android code camp (university of Lappeenranta of technology, Finland)
- Participant (stock market simulation, 2012)
- Multimedia member (ISLC, 2012)

References upon request