

Ramy Elsaraf

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A versatile software engineer and holder of a master's degree, with 3 years of experience in full-stack Software Development. I create exceptionally impactful and optimized applications with an eye for delightful user experiences.

Highlights of Qualifications

- Software proficiency: REST API, JavaScript, PHP, Python, Flask, VueJS, Laravel, ASP.net, Java, Android, Firebase, GIT.
- Databases and DevOps experience with MYSQL, SQL Server, GCP, Docker, Kubernetes, Azure, and AKS.
- Knowledgeable in Artificial Intelligence, Machine and Deep Learning, Data Science and Analysis.
- Experience in UI Testing using Python and Selenium.
- Strong interpersonal, organizational and written and verbal communication skills.
- Creative and analytical thinker who is self-driven and capable of working in a fast-paced environment.
- Client-focused and able to develop advanced software engineering solutions.
- Delivers software with speed, resourcefulness, and an ever-watchful eye on the bottom line.

Work Experience

Software Developer *EARA Technologies Inc. (Calgary, Alberta)*

Jan. 2023 - Aug. 2023

- Contributed to a broad range of technology projects including REST API's, web application components and endpoints using Flask and Postman.
- Crafted and ran Linux scripts, and optimized the functions on users reducing the runtime by 50%.
- Worked both independently and with 4 other team members in a DevOps environment using Kubernetes, Docker and AKS.
- Implemented 61 automated tests that improved test coverage from 40% to 100% using Python and Selenium.
- Conducted troubleshooting, debugging, analysis, investigation, remediation, and communication to client and team.

Full Stack Software and Web Developer *Gelismis Global Company (Istanbul, Turkey)*

Sept. 2019 - Sept. 2020

- Developed the web applications' UIs and dashboards using VueJS, JavaScript, CSS, HTML, AJAX and jQuery.
- Developed and refactored REST APIs using Laravel, Flask, ASP.net and improved product retrieval by 100%.
- Designed and refactored databases using MYSQL and SQL Server and optimized execution time by 70%.
- Used Jira for project management and Agile software development by delivering to clients various versions.
- Collaborated with and led a team of 4 developers to do a garage application and others for various clients.

Software Engineer *Dr. Hani Ragaban Polyclinic (Jeddah, Saudi Arabia)*

Oct. 2015 - Oct. 2017

- Created web-based interfaces using ASP.net and MYSQL that allowed easy booking and communication.
- Managed and maintained the hospital's database and improved its execution by 150%.
- Connected the database and the web application together using MYSQL JSON APIs.
- Solved and Troubleshooted the hospital's computer software problems.
- Updated the hospital's website, allowing a seamless UI and search experience for patients and doctors.

Education

M.A.Sc. in Computer Engineering

Memorial University of Newfoundland

Sept. 2020 – Jun. 2022

- GPA of 3.54/4.00 or 88.5% (Excellent and 1st Class standing)
- Thesis: A Machine Learning Program for Detecting COVID-19 in Human Chest Image Scans (92% grade)
 - Achieved 92% on my final project which was a very large Machine and Deep Learning project including two web applications; that detect COVID-19 in human chest scans; whether X-rays, CTs (Chest Tomography) or both together (the ML model was the first of its kind!). [Link](#)

B.Sc. in IT and Computing

The Open University (United Kingdom)

Jun. 2011 – Sept. 2015

- Excellent with 1st Class Honors degree of GPA 3.53/4.00

Professional Certificates

Microsoft Programming (C# and ASP.NET) | Microsoft SQL | Programming in HTML5 with JavaScript and CSS3 | Cisco CCNA (Routing and Switching)