

Ramy Elsaraf

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A versatile software engineer and holder of a master's degree, with 1 year of experience in full-stack Software Development. I create exceptionally impactful and optimized applications for robust user experiences.

Highlights of Qualifications

- Software proficiency: REST API, Python, Flask, Django, JavaScript/TypeScript, HTML, CSS, Golang, PHP Laravel, ReactJS, VueJS, ASP.NET, Java, SQL, Android, Firebase, Selenium, 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 Analytics.
 - Delivers clean code with speed, resourcefulness, and dedication.
 - Client-focused with excellent teamwork and communication skills.
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Education

M.A.Sc. in Computer Engineering

Memorial University of Newfoundland, St. John's, Newfoundland

Sept. 2020 – Jun. 2022

- 3.54/4.00 GPA, Vice President of EAGE (European Association of Geoscientists and Engineers)
- Thesis: A Machine Learning Program for Detecting COVID-19 in Human Chest Image Scans (92% grade)

M.Sc. in Microelectronic Systems

University of Liverpool, Liverpool, United Kingdom

Sept. 2017 – Dec. 2018

B.Sc. in Computer Science

The Open University, United Kingdom

Jun. 2011 – Sept. 2015

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

Full Stack Software Developer

YSwipe (Calgary, Alberta)

Jan. 2024 - Sep. 2024

- Developed YSwipe's web application UI with HTML, CSS, and JavaScript, ensuring a responsive and seamless user experience.
- Engineered the backend of YSwipe's web application using Python Django, incorporating features such as transcription and a scoring mechanism for candidates.
- Built an innovative video platform with recording and rating functionalities tailored for candidate assessments and HR recruitment using AI.
- Leveraged AI, Machine Learning, and Deep Learning technologies, along with AI Avatars, to enhance and evaluate candidates' performance.

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 Python and Postman.
- Crafted and ran Linux scripts, and optimized the functions on users reducing the runtime by 50%.
- Worked both independently and with four 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 ReactJS, VueJS, JavaScript/TypeScript, CSS, HTML, AJAX.
- Developed and refactored REST APIs using Python, Laravel, 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 implemented Agile software development.
- Led a team of four developers to create an online automotive marketplace and other applications 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 patient booking and communication.

- Managed and maintained the hospital's database and improved its retrieval speed by over 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 user experience for patients and doctors.
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Professional Certificates

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