Ahmed Mohab - Senior Software Engineer

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# Education

## Logo Description automatically generated Arab Academy for Science, Technology and Maritime Transport

### Bachelor’s Degree, Computer Engineering

Sep 2009 – Jul 2014

# Tech Profile

• Python • C# • Java • HTML5 • C/C++ • Javascript • SQL

# Skills & Core Competencies

• Algorithms • OOP • Micro-services • Git • Continuous Integration/Continuous Delivery (CI/CD) • Databases • Flask • Software Architecture • Data Structures • .NET Core • NoSQL • MySQL • cloud foundry • Design patterns • GitLab • mongoDB • Kubernetes • Cloud-native

# Experience

## Text Description automatically generated with low confidence Senior Software Engineer

### Dell EMC

Oct 2022 - Present

* Lead a high-performing automation team – Initiated and built from scratch in 2019 and 2020, respectively – of nine software engineers specialized in developing software solutions to automate manual processes across the Global Asset Management organization, delivering user-triggered and end-to-end automations using Python, C# .NET and other widely-known tech stacks as deemed appropriate.
* Deliver automation solutions with high efficiency and precision meeting the customer-facing delivery team's needs and saving over 200K hours for teams across the organization, within tight timeframes.
* Define solution requirements and strategically prioritize automation projects based on ROI.
* Provide expert direction and guidance, utilizing the latest industry standards like Agile, Scrum, and DevOps, to continuously enhance the software development lifecycle and communicate milestones and achievements to upper management.
* Collaborate with cross-functional teams to design, develop, and implement industry-compliant software solutions that meet and exceed customer requirements.
* Played a key role in achieving a 20% increase in software efficiency, resulting in minimal system downtime (deduction in incidents by 96%), and an increase in customer satisfaction of 24%.
* Conduct code reviews and testing, ensuring exceptional quality deliverables, and maintainable code that meets the highest industry standards.
* Modernize outdated code bases to meet industry standards.
* Provide expert guidance to junior software engineers and new hires.

## Software Engineer 2

### Dell EMC

Apr 2021 - Sep 2022

* Refactored legacy automations (monolithic to microservices architecture), speeding up development time by ~50%, leveraging modern software development methodologies and architectural patterns.
* Streamlined team's CI/CD pipelines, integrating GitLab templates for rapid development and deployment.
* Awarded CX award for customer satisfaction, demonstrating a customer-centric mindset and high- quality software delivery.
* Analyzed project specs and developed solutions that surpassed performance goals.
* Migrated automations to cloud-based services such as Kubernetes and cloud foundry to align with industry standards, leveraging cloud computing platforms.
* Partnered with operation teams to turn their obstacles into automated solutions via designing, building, testing & evaluating new software tools.

## Software Engineer

### Dell EMC

Jun 2018 - Mar 2021

* Leveraged data-driven insights to optimize Dell's operational workflows and implemented cutting-edge automation solutions to drive efficiency and productivity.
* Engineered and optimized a reporting portal, elevating the report extraction speed by 70% and earning recognition from the organization’s VP.
* Designed and developed robust solutions to meet client requirements for functionality, scalability, and performance.
* Collaborated with cross-functional teams to further enhance processes that cutdown SLAs.

## Army Soldier – IT Engineer

### Egyptian Armed Forces, Al Italy Military Hospital

Oct 2016 - Dec 2017

* Maintained the IT assets throughout the military hospital and patient records in the databases.
* Conducted server support and troubleshooting activities.
* Managed software and hardware maintenance schedules.

## Web Developer

Dec 2015 - Sep 2016

Freelancer

* Developed websites for multiple customers including the Chamber of Commerce, French Consulate, Egypt
* Conducted requirement gathering sessions with clients to convert mockups into usable websites.
* Developed functional web presence by coding with HTML, CSS, JavaScript, jQuery, AJAX, and JSON.

## Software Engineer

Sep 2014 - Nov 2015

Arab Computers SAE, Alexandria, Egypt

* Crafted an Android app enabling online product addition, exploration, and rating.
* Contributed to end-to-end system development, designing web frontend and backend to support maintenance staff and operations.