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) • Apache Kafka • Confluence Kafka • 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 Python 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 end-to-end automations by using Kafka Connect to get new entries from databases and perform updates on Dell’s systems.
* Deliver user triggered automations in large volumes by splitting data and streaming them using Apache Kafka, bundled with containerized deployments for our microservices, ensuring that the automations run smoothly and are scalable, minimizing downtime, and data loss.
* 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.

## Python 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 using Python and C# .NET Core.

## Python 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 using .Net MVC, elevating the report extraction speed by 70% and earning recognition from the organization’s VP.
* Designed and developed robust solutions using Python 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.