

Kamal Youssef

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SUMMARY

Software Developer with five years of experience in programming, testing, and establishing system improvements. Currently working as a Solutions Architect and Developer in the automation workspace. Equally proficient with front end software development, machine learning methods, and automation scripting.

EDUCATION

New Jersey Institute of Technology (NJIT)

Graduated: May 2021

B.S. Information Technology (Network & Information Security / Web Application Development)

Major GPA: 3.75

Relevant Coursework: System Administration (Linux), Web Applications Development, Ethical Hacking for SysAdmins, Computer System and Networks, Advanced Programming (Java)

Technical Skills: UiPath(<1yr), AWS (<1yr), Python (4yrs), HTML/CSS (4yrs), SQL (3yrs), JavaScript (3yr), WordPress (2yr), Visual Studio/ASP.NET(1yr), ReactJS(1yr), Machine Learning(1yr), Git, Jira, Databricks

WORK EXPERIENCE

Merck (CTO - Foundational Automation) Kenilworth, NJ

July 2021 – Present

(ETR) Solutions Architect & Developer

- Implemented a new CI/CD Platform for RPA OCR automation solutions utilizing **Azure** and cloud services leading the team toward proper Agile practices and infrastructure automation.
- Designed a more reliable, secure, and controlled workflow for managing all future **OCR/Lambda** projects for a team of 5 developers and DevOps platforms engineers.
- Co-developer on one-time HH automation that assists in matching discounted returns with HERSA customers – Designed project architecture integrating **UiPath & AWS**, projected to save business ~ 1440 (.75 FTE) hours of manual work per year

Merck Research Labs IT Intern Rahway, NJ

June 2020 – August 2020

- Used Databricks to train and improve deep learning models to predict properties of potential molecules in Drug Discovery and Early Development
- Worked closely with the HPC (High Performance Computing) DevOps team to design a series of Deep Learning models using TensorFlow in **Python** to improve the efficiency of HPC scheduling

Johnson & Johnson Raritan, NJ

January 2019 – August 2019

Technology Co-op

- Coordination of Technology Lifecycle Management Activities - ensured support of legacy operating systems by coordinating OS upgrades
- Used **ASP.NET** framework, HTML/CSS, **JavaScript**, and **C#** to develop a dashboard showing workload automation job configuration details for the internal team, as well as end-users

ACTIVITIES / LEADERSHIP

St. Mark's Church Jersey City, NJ

July 2015 - Present

Youth Leader

- Organize Sunday curriculum for each subject throughout the year
- Create weekly lesson plans and educate children in weekly religious lessons every Saturday and Sunday
- Schedule and organize field trips monthly

Coptic Society NJIT Newark, NJ

March 2018 – May 2021

Vice President and IT Coordinator

- Pilot board meetings, set semester goals, disseminate action items and follow up on task completion
- Coordinate Club events such as Habitat for Humanity, visiting hospitals, and various on and off-campus events
- Increased club awareness and participation by 40 percent with the implementation of the new website

HONORS/AWARDS/CERTIFICATES

AWS Associate Solutions Architect (Certificate)

Oct. 17, 2021 - Present

- To contribute to major platform architecture decisions and changes

Merck Silver Cyber Security Champion (Certificate)

September 2021 – Present

- Completed bronze and silver cyber security courses provided by Merck

NJIT Faculty Scholarship

September 2017 – July 2021

- Selected among 1000K+ applicants for 4-year academic achievement scholarship

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PROJECTS

Constellar, Merck Project

November 2019 – Present

- **Lead DevOps** on Constellar platform development that connects experts within the company based on advanced AI/NLP techniques – guiding the transition to a **scalable multi-tenant deployment** in the AWS Cloud