



## Michael R. Charara

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### EDUCATION - [HTTPS://WWW.NETDEVMIKE.COM/ABOUT](https://www.netdevmike.com/about)

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#### **Harvard University - Extension School, Massachusetts**

Masters in Information Management Systems Engineering, March 2024

#### **Baker College, Online**

Bachelor of Computer Science – Focus in Software Engineering, March 2024

#### **Notre Dame College, Online**

Master in Business Administration, July 2022

#### **University of Michigan, Michigan**

Bachelor of Biological Science, April 2014

### PROFESSIONAL EXPERIENCE (SELECT)

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#### **CDW, Remote Role**

Cloud Marketplace Program Manager, March 2022 -Present

Helped to transact Channel Partner Private Offer (CPPO) opportunities through the AWS Marketplace. Worked with commissions to compensate Sellers. Tracked opportunities using HubSpot and ACE (AWS tool for tracking and managing opportunities).

#### **United Wholesale Mortgage (Information Technology), Pontiac, Michigan**

Network Administrator, June 2021 – February 2022

Developed and maintained the network primarily using products from Cisco. In this role I created and configured the network, ensured network security, and troubleshot issues. I am capable of upgrading/replacing hardware and software systems, present network reports, train end-users, resolve technical issues, and automate tasks.

#### **Massachusetts General Hospital (Nephrology Division), Boston, Massachusetts**

Research Assistant, July 2016 – April 2018

Conducted medical research in nephrology, more specifically Autosomal Dominant Polycystic Kidney Disease.

Research included conducting protein quantifications, gel electrophoresis, western blots, buffer preparations, autoclaving, cell cultures, scanning films/Image J, cryopreservation of cells, cryostoring cells, and casting polyacrylamide gels.

Reagent solutions included bicinchoninic acid solutions and copper (II) sulfate solutions.

### LICENSES & CERTIFICATIONS (SELECT) - [HTTPS://WWW.NETDEVMIKE.COM/ABOUT](https://www.netdevmike.com/about)

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Kubernetes and Cloud Native Associate (KCNA)

Scheduled June 2024

Google Project Management: Specialization

February 2023

Google Cloud Engineer

December 2022 | Expires December 2025

AWS Certified Solutions Architect Associate

May 2022 | Expires May 2025

30 Days of Postman

February 2022

LFS250: Kubernetes and Cloud Native Essentials

January 2021

Microsoft Certified Azure Administrator, AZ-104

December 2021 | Expires December 2024

Cisco Certified Network Associate, CCNA

August 2021 | Expires August 2024

### PROJECTS (SELECT) - [HTTPS://WWW.NETDEVMIKE.COM/PORTFOLIO](https://www.netdevmike.com/portfolio)

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#### **Automated IAM Clean-up, AWS** - <https://www.netdevmike.com/project/automated-iam-clean-up>

Harvard Extension School, January 2022

Automated IAM Clean-up addresses the security problem of unused IAM users and access keys by periodically checking the status of IAM users and associated access keys and sending the report to designated emails. With predetermined conditions, idle users can be automatically deleted from the system and administrators can see the output from an automatically generated report.

#### **React Movie Search Application, JavaScript** - <https://www.netdevmike.com/project/react-movie-search-application>

Harvard University Extension School, May 2023

A user-friendly, responsive web application that allows users to search for movies by title or actor and view relevant details about the selected movies. This project demonstrates the power of React, a popular JavaScript library for building interactive user interfaces, combined with external API calls to fetch and display data dynamically. The link provides an overview of the project's objectives, requirements, and how they were met.

#### **Analyzing tweets using Twitter APIv2, Tweepy, Elasticsearch, and Kibana, Elastic-** <https://www.netdevmike.com/project/analyzing-tweets-using-twitter-api-v2-tweepy-elasticsearch-and-kibana>

Harvard University Extension School, July 2022

This project aims to study real-time tweets focused around the Cloud Marketplaces for Amazon Web Services, Google Cloud Platform, and Microsoft Azure. I will demonstrate how to build a system that collects twitter data which mentions this information, index them into Elasticsearch for further analytics, and visualize with Kibana.

### AWARDS/MEMBERSHIPS/HOBBIES (SELECT)

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**ACM Student Chapter**, Founding Chair of Advancing Computing as a Science & Profession (ACM), <https://www.acm.org/>

**Certificates of Achievement from HMX**, Immunology, Biochemistry, Physiology, and Genetics, Awarded for High Academic Achievement 2017.

**Memberships include**, Children's Miracle Network, American Red Cross, Zaman International, and a field partner for Doctors without borders.