Aoun Rizvi

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EDUCATION

Carleton University Ottawa, Canada	2008 – 2013
Systems and Computer Engineering	**Undergraduate**

University of Ottawa	Sept. 2015 – May 2017
Engineering Management (part-time)	**Masters**

WORK EXPERIENCE

Ciena   Ottawa, ON, Canada
Software + DevOps Engineer   **November 2022 – Present**

- DevOps
  - I continuously work with the architecture team to design a pipeline
  - Use Jenkins for setting up the CI/CD pipeline
  - Integrate SonarQube & Black into repositories and designer build running on Jenkins
  - Containerize applications
  - Create automation deployment solutions using Ansible
- Software Development
  - Front-End Angular App
    - Actively work and develop the app
    - Use PrimeNG
  - Back-End Java (Spring)
    - Actively work on tickets to develop the Java app
    - Use Hibernate to integrate with the PostgreSQL database

IBM   Ottawa, ON, Canada
DevOps Engineer   **January 2020 – November 2022**

- Jenkins Pipeline
  - Responsible for stability of the pipeline
  - Applied shift-left methodology to bring automation testing in PRs
  - Worked with QA team to modify automation strategy, in turn simplifying the pipeline
  - Branching during releases and supporting team during hot fixes
  - Implement build and pipeline performance upgrades
  - Pipeline vulnerability and coverage scans
  - Applied solution to continuously deploy to dev/staging environments
- IBM Cloud
  - Worked with dev team to break down monolithic repo's into micro-services
  - Worked with team to containerize front-end apps to run in Kubernetes
  - Working closely with the SRE team to deploy services on IBM cloud
  - Ensuring sufficient logging and monitoring endpoints in services
  - On-call pager duties to ensure up-time in prod environment
- Exploration
  - Explore IBM cloud alternatives: Amazon (AWS)
  - Propose a solution application running in AWS using the AWS CDK
  - Use AWS tools for error capture and monitoring running applications
  - Explore solutions such as EKS to run Kubernetes in AWS

Software Developer   **May 2018 – January 2020**

- Worked on feature work on the front-end side
- Primarily developed code in vanilla JavaScript and ReactJS
- Focused on cross-platform web solutions
- Worked with Selenium based automation integration tests
- Part of an internal automation-guild to ensure test coverage and high product quality
- Worked closely with the Product Managers to hash out feature requirements

Cenx   Ottawa, ON, Canada
Software Support Engineer   **July 2017 – February 2018**

- Software Support
  - Support clients, as big as Verizon
  - Responding on calls and pagers
  - Worked on large Kubernetes clusters
  - Keeping system up and always running
- Scripting / Maintenance
  - Bash and Python scripting is a major part of the job
  - Maintenance of components on Kubernetes and AWS (EC2, EKS, DynamoDB)
  - Ensuring all scripts meet coding standards
  - Ensuring all scripts are generic enough to be configured on any system

Recognia   Ottawa, ON, Canada
Software Developer   **May 2013 – July 2017**

- Front-End
  - AngularJS / AngularJS 2 with TypeScript
- Back-End
  - Java with Rest APIs to serve data to front-end
  - Perl scripting to maintain legacy code
- Database
  - PostgreSQL database, using Hibernate to communicate with back-end
- Deployment
  - Used Amazon Web Services (AWS) to deploy (EC2, EKS)

PROJECTS

Medi Milo   www.medimilo.com
AI Assistant helping UK doctors assist patients faster

- App answers questions that UK based doctors have to diagnose their patients
- App leverages OpenAI's language models (LLM) to generate accurate, structured, and context-aware responses
- Google's Firebase database is also used to pull information as needed
- Uses NextJS framework with TypeScript

Oral Opinion   www.oralopinion.com
A dental clinic review app where users can discover clinics, write and read verified reviews

- Uses NextJS framework with TypeScript
- Leverages Firebase as the database and for authentication
- TailwindCSS is the CSS styling framework

Reference Letter Available Upon Request