Samer Arkab – B.Sc. Software Engineer

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I'm a recent B.Sc. Software Engineering graduate with a GPA of 84, seeking a DevOps role. Proficient in Python and Java, specializing in leveraging key DevOps tools, including Docker, Kubernetes, Jenkins, AWS Services, and Git. With a foundation in collaborative teamwork developed through years of service in Unit 8200, I am dedicated to optimizing development pipelines and ensuring robust deployment processes.

Skills

- **Programming Languages:** Python, Java, Bash, C, SQL (MySQL)
- **Technology Stack and Tools:** CI/CD (Jenkins), Kubernetes, Containerization (Docker), Amazon Web Services (such as EC2 Instances, ELB, ECR, S3, VPC, and more), Linux, Git, Terraform, REST APIs

Military Service

2011 – 2015: **Advanced role in signal traffic analysis, Intelligence Corps - Unit 8200**

- Worked extensively with cutting-edge technologies in signal traffic and data analysis, providing key insights and actionable information.
- Worked both independently and collaboratively, demonstrating adaptability and teamwork.
- Received a certificate of excellence for significant contributions to Unit 8200.

Education

2018 – June 2023: B.Sc. Software Engineer, Braude Academic College of Engineering (GPA: 84)

- Dell Technologies Mentorship Scholarship (Jan – Jun 2023):
    - Selected for a prestigious mentorship scholarship at Dell Technologies.
    - Mentored by a Senior Software Engineer, gaining in-depth knowledge in software development techniques and methodologies.
- Final Project – Calculate Nutritional Values from Food Portions (GitHub):
    - Implemented food recognition using **TensorFlow**, **InceptionV3**, and **Mask R-CNN** in **Python** for precise segmentation and volume estimation. Used **Git** as the version control system.
    - Trained models efficiently on **Amazon's SageMaker Studio Lab** and deployed with **Docker** and **Kubernetes** on **Google Cloud Platform**.
    - Developed a web application for user interactions with **Node.js**, **Express**, and **React.js**.
    - Integrated a nutritional **API** for consistent fetching and display.
- Computerized Examination Management System (CEMS) Project (GitHub):
    - Developed a robust client-server examination system in **Java**, utilizing **JavaFX** for the graphical interface, **MySQL** for database management and **Git** as the version control system.
    - Implemented advanced features through multithreading, adhering to **UML** specifications and applying **Test-Driven Development (TDD)** methodologies.
    - Enhanced project efficiency with continuous integration using **Jenkins** and streamlined deployment with **Docker**.
    - Strengthened skills in teamwork, project management, and software best practices.

Volunteer Experience

2019 – 2022: "Perach" Program

- Tutor to college students in **Data Structures**, **Intro to CS (C language)**, and **Data Mining & Machine Learning** until June 2022.

2009 – 2011: Aharai!

- Volunteer in Aharai organization in Isifya, helping and contributing back to the community.