

**\*\*Louay Abidi\*\***

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**\*\*Summary\*\***

Experienced in configuring and deploying multi-container Docker applications using Docker Compose. Proficient in creating `docker-compose.yml` files to orchestrate containerized microservices, including building images, managing dependencies, and scaling instances. Familiar with Docker Hub for image storage and deployment.

**\*\*Technical Skills\*\***

- \* **\*\*Docker:\*\*** Building images, managing containers, and deploying multi-container applications using Docker Compose.
- \* **\*\*Docker Compose:\*\*** Defining and managing multi-container applications using YAML configuration files. Experience with `build`, `ports`, `depends\_on`, and other directives.
- \* **\*\*Microservices Architecture:\*\*** Understanding of microservice dependencies and orchestration within a distributed application context.
- \* **\*\*YAML:\*\*** Writing and understanding YAML configuration files for Docker Compose.
- \* **\*\*Version Control (Implied):\*\*** Likely familiar with Git based on Docker Hub usage.

**\*\*Projects\*\***

**\*\*Multi-Container Application Deployment with Docker Compose\*\***

- \* Developed a `docker-compose.yml` file to automate the build, run, and configuration of a multi-container application consisting of three microservices (candidate-service, job-service, and discovery-service).
- \* Scaled individual microservices by running multiple instances (e.g., two instances of candidate-service).
- \* Configured port mappings between the containers and the host machine.
- \* Defined service dependencies using the `depends\_on` directive to ensure proper startup order.
- \* Pushed the built images to Docker Hub for external access and deployment.
- \* Tested the deployed application by accessing the exposed endpoints of each microservice.

**\*\*Education\*\***

Currently pursuing studies. (Details not provided)

**\*\*Coursework\*\***

- \* **\*\*Distributed Web Applications (2024-2025):\*\*** Covered topics related to building and deploying distributed web applications, including the use of Docker and Docker Compose. (UP\_WEB)

**\*\*Note:\*\*** This resume is based on the provided document which described a practical exercise. It assumes familiarity with certain concepts implied by the context, such as version control and basic networking principles. Future resume iterations should include specific educational details and expand on the project description with quantifiable results and technologies used. Adding details about the programming languages used in the microservices (e.g., Java, Spring Boot) would further strengthen the resume.