

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

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

Highly motivated student with practical experience in setting up and configuring a CI/CD pipeline for a Node.js application with MongoDB. Proficient in utilizing various DevOps tools including Jenkins, SonarQube, Mocha, Docker, Nexus Repository, and Prometheus with Grafana. Demonstrated ability to configure virtual machines, install and manage software, and implement automated testing and deployment processes. Eager to apply and expand these skills in a challenging and collaborative environment.

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

**\* \*\*CI/CD Pipeline for Node.js Application with MongoDB (2023-2024)\*\***

- \* Designed and implemented a comprehensive CI/CD pipeline for a Node.js application using Jenkins for automation.

- \* Integrated SonarQube for static code analysis, Mocha for unit testing, and Docker for containerization.

- \* Utilized Nexus Repository for Docker image storage and Prometheus with Grafana for monitoring.

- \* Configured a Vagrant virtual machine (Ubuntu) for the pipeline environment, including installation of required software (Java 17, Node.js, Jenkins, Docker, SonarQube).

- \* Managed user access and permissions for Jenkins and Docker within the virtual machine.

- \* Created a multibranch pipeline in Jenkins, integrating with a GitHub repository (<https://github.com/mehdybenromdhane/nodeProject.git>) to trigger builds based on code changes.

- \* Implemented Jenkinsfile stages for dependency installation (`npm install`), unit testing (`npm test`), and application build (`npm run build-dev`).

- \* Configured SonarQube integration with Jenkins for automated code analysis.

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

- \* **\*\*CI/CD:\*\*** Jenkins

- \* **\*\*Code Analysis:\*\*** SonarQube

- \* **\*\*Testing:\*\*** Mocha

- \* **\*\*Containerization:\*\*** Docker

- \* **\*\*Repository Management:\*\*** Nexus Repository

- \* **\*\*Monitoring:\*\*** Prometheus, Grafana

- \* **\*\*Virtualization:\*\*** Vagrant, VirtualBox

- \* **\*\*Operating Systems:\*\*** Ubuntu, Windows

- \* **\*\*Programming Languages:\*\*** Node.js (implied), Java (environment setup)

- \* **\*\*Version Control:\*\*** Git

- \* **\*\*Scripting:\*\*** Bash (implied)

## **\*\*Education\*\***

Currently pursuing studies (details not provided).

This revised resume focuses on presenting the project work in a professional manner, highlighting accomplishments and quantifiable results wherever possible. It emphasizes the technical skills gained through the project and presents a concise summary showcasing key abilities. Remember to update this resume with your education details and any additional skills or experiences you gain.