Path-to-devops engineering

Throughout this journey, I will demonstrate the skill sets I have developed over the past few months while completing the Code and Co. course, which provides a structured pathway into DevOps engineering.

As part of this course, I will explore a range of key topics, each organized into dedicated directories. These include Linux fundamentals, Bash scripting, Git, networking, Docker, AWS, Terraform, CI/CD, and Kubernetes which are essential areas for building a strong foundation in DevOps.

By applying the knowledge gained from these subjects, I aim to develop hands-on experience that will prepare me for real-world challenges. This process will help me proactively prepare for challenges in a day-to-day DevOps role, equipping me with the skills necessary to transition into a junior DevOps engineer position with confidence.

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| Objectives |  |
| Basic Arithmetic: A script that takes two numbers as input and performs basic arithmetic operations (addition, subtraction, multiplication, and division), displaying the results. | ü |
| File Operations: A script that creates a directory, navigates into it, creates a file, writes text into it, and displays its contents. | ü |
| Conditional Statements: A script that checks if a file exists and prints whether it is readable, writable, or executable. | ü |
| Backup Script: A script that copies all .txt files from a specified directory to a backup directory, creating it if it doesn't exist. | ü |

By building a strong foundation in Bash scripting and exploring more advanced concepts, I’m taking an essential step in my DevOps journey. These hands-on tasks have given me practical experience in automation, file handling, and system operations—key skills for real-world DevOps environments. As I continue refining my scripting abilities and integrating them with other DevOps tools, I’ll be better equipped to automate workflows and optimize processes efficiently.