BLKN/PROG 348 Blockchain Architecture

MICROCREDENTIAL AWARDED TO

Austin Karianjahi

Specific Learning Objectives:
Define and explain the key components of blockchain architecture (Knowledge). Compare and contrast blockchain architecture with Traditional Software Architecture (Comprehension). Identify the roles and responsibilities of various stakeholders in the blockchain ecosystem (Application). Evaluate the advantages and disadvantages of different consensus algorithms (Analysis). Design and develop a simple blockchain system (Synthesis). Critically assess the security implications of blockchain systems (Evaluation). Discuss the ethical considerations related to blockchain technology (Comprehension). Analyze the impact of blockchain technology on various industries (Analysis). Develop strategies for improving the scalability and efficiency of blockchain systems (Synthesis). Examine the regulatory and legal landscape surrounding blockchain technology (Application). Explore emerging trends and innovations in the blockchain industry (Analysis). Create a roadmap for personal and professional development within the blockchain field (Synthesis). Demonstrate effective communication and collaboration skills in a blockchain development team (Application). Assess the potential risks and challenges associated with implementing blockchain technology in specific use cases (Evaluation).

In partial fulfillment of the requirements for the nanodegree of

Blockchain Studies (CSC - BSTUD)

(4.5 Clock Hours) (80% Passing Score)

27 Feb 2024

Verification ID: **65dde86e30c46f38dc0051d9**

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