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# [CS-305-R3300 Software Security 24EW3](https://learn.snhu.edu/d2l/home/1460858)3-2

# 3-2 Journal: Reflection

# Southern New Hampshire University

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As a developer, your role plays a major part in solving security concerns. Your role will determine the outcome of ensuring the integrity, confidentiality, and security of the software. You will be tasked with solving a large number of key concerns. Responsibilities will include secure coding, planning, and documenting security-related decisions.

Security should be integrated throughout the entire software stack and development life cycle. Addressing security concerns at different layers of the software stack would include the hardware layer, operating system (OS) Layer, network layer, and application layer. Security considerations should be part of the initial requirements-gathering process. Integrating security as early as possible in the development life cycle will ensure the building of more resilient and secure applications.

Transforming a DevOps pipeline into a DevSecOps pipeline involves integrating security measures throughout the entire development life cycle. Adding security from the planning stage, coding stage, and testing stage will ensure organizations shift towards a DevSecOps approach.

The suggested plan’s success depends on embedding security into every phase of development. Recommending this plan would be custom-developed to the organization's needs, relying on continuous improvement practices, which would contribute to the successful integration of security into the development process.