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DevOps: A Journey from Microservice to Cloud Based Containerization

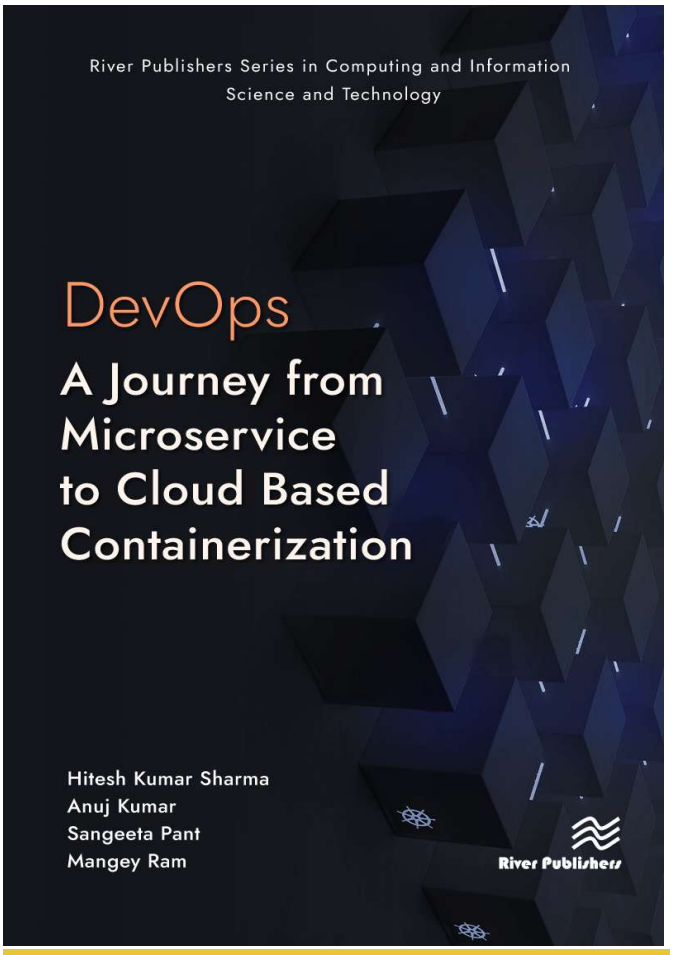
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This book introduces the DevOps culture, and the tools and techniques under this technical cultural umbrella. It explains microservice, containers, Docker Container, Kubernetes, etc., and the significance of these in adopting the DevOps culture for successful software development.

Transitioning to DevOps requires a change in culture and mindset. At its simplest, DevOps is about removing the barriers between two traditionally siloed teams, *development*, and *operations*. In some organizations, there may not even be separate development and operations teams; engineers may do both. With DevOps, the two teams work together to optimize both the productivity of developers and the reliability of operations. They strive to communicate frequently, increase efficiencies, and improve the quality of services they provide to customers. They take full ownership of their services, often beyond where their stated roles or titles have traditionally been scoped, by thinking about the end customer's needs and how they can contribute to meeting those needs. Quality assurance and security teams may also become tightly integrated within these teams. Organizations using a DevOps model, regardless of their organizational structure, have teams that view the entire development and infrastructure lifecycle as part of their responsibilities.

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