MONGODB FOR DEVELOPERS

Duration: 3 Days

COURSE OVERVIEW

Are you a developer looking to expand your knowledge and skills in database management? Look no further than our MongoDB Database for Developers course!

MongoDB is consistently ranked as the most popular NoSQL database according to the DB-Engines monthly rankings and has also grown along with the community and is widely used by developers around the world.

MongoDB is a free, open-source, cross-platform document database, which stores its data in JSON-like documents.

The course is designed for developers of all levels, from beginners to experienced professionals looking to expand their knowledge and skills in database management.

This comprehensive course will provide you with a deep understanding of MongoDB, a flexible and scalable NoSQL database.

You will learn how to install and set up MongoDB on your development environment, use MongoDB's shell and drivers to interact with the database, and perform CRUD operations to manipulate data effectively.

You will also learn how to integrate MongoDB with other technologies such as Node.JS thus giving you the skills you need to build robust and powerful REST API.

League of Coders Pte Ltd
420 North Bridge Centre
North Bridge Road #02-10   S(188727)

WhatsApp
8214 5913
hi@loc.com.sg

WHAT YOU WILL ACCOMPLISH

- ✓ Introduction to NoSQL and MongoDB
- ✓ Working On Installing MongoDB on Windows
- ✓ Working On Data Modeling and Schema Design in MongoDB
- ✓ Working On Database & Collection in MongoDB
- ✓ Working On Querying in MongoDB
- ✓ Working On Manipulating MongoDB Data
- ✓ Working On Aggregation in MongoDB
- ✓ Working On Indexing in MongoDB
- ✓ Working On REST APIs in MongoDB
- ✓ Working On Testing REST APIs using Postman
- ✓ Working On Using Regular Expressions in MongoDB
- ✓ Introduction to Sharding and Replication in MongoDB
- ✓ Working On MongoDB Security
- ✓ Working On MongoDB Atlas
- ✓ Working On Backup and Restore in MongoDB

Overall, upon completing our MongoDB Database for Developers course, you will have gained the skills and knowledge you need to effectively manage MongoDB and use it to build scalable, robust applications.

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WHY THIS COURSE

- To Understand Web Application and API Security Threats: To gain a deep understanding of the security threats facing web applications and APIs and the impact that these threats can have on an organization and also provides employees with the skills and knowledge needed to identify and remediate security risks in web applications and APIs, resulting in a stronger security posture and reduced risk of security breaches and vulnerabilities.

- To Comply With Regulations and Standards: To understand the regulations and standards that apply to web application and API security that must be met with regards to data security, such as OWASP Top 10 and OWASP API Security Top 10, and by training employees in web application and API security, organizations can ensure that they are in compliance with these regulations and standards.

- To Better Manage of Security Risks: The course covers a comprehensive range of security topics, from threat modeling to secure coding practices. This allows employees to understand the full spectrum of security risks associated with web applications and APIs, and to effectively manage these risks.

- To Be More Efficient In Development Processes: By learning about secure coding practices and best practices for web application and API security, employees can develop applications and APIs in a secure and efficient manner, reducing the risk of security vulnerabilities and increasing the reliability of the applications.

- To Improve Collaboration Between Teams: By providing a common understanding of security best practices and processes, the Web Application and API Security Hardening Expert course can help improve collaboration and communication between teams, including development, security, and operations teams.

WHO SHOULD ATTEND

- If you're a developer who works with databases, learning how to work with MongoDB can be an invaluable skill.

- If you're a student or someone who's just getting started with development, attending our course can be a great way to gain an introduction to database management and get hands-on experience with MongoDB.

- Anyone interested in building applications that use MongoDB as their primary database or data store.

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COURSE PREREQUISITE

- Basic computer knowledge, including how to use a keyboard, mouse, and navigate the file system.

- Understanding programming concepts and syntax, particularly in a language such as JavaScript can help you understand how to interact with MongoDB using its API.

- Familiarity with basic database concepts, such as tables, rows, and columns, can help you understand the purpose and functionality of MongoDB's document-based database model.

- Familiarity with command line interface (CLI) tools, such as Windows command prompt, can help you navigate and interact with MongoDB more efficiently.

- A willingness to learn and practice programming concepts through hands-on exercises and projects.

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