

 TechXyte

Software Development Basics Course Contents



SkyRocket your **Coding Career**

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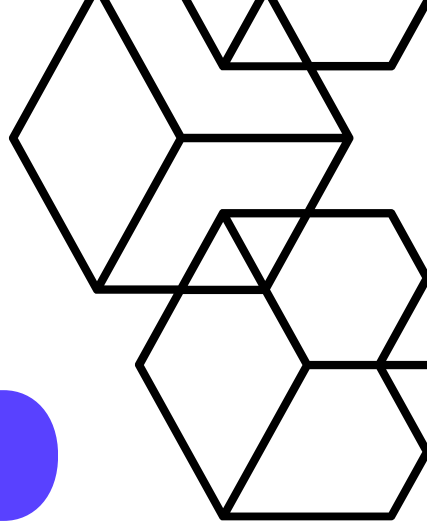
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CHAPTER 1 : INTRODUCTION TO SOFTWARE DEVELOPMENT

- What is software development?
- Why software development is important
- Types of software development

CHAPTER 2 : PROGRAMMING LANGUAGES

- Introduction to programming languages
- Types of programming languages
- Choosing the right programming language



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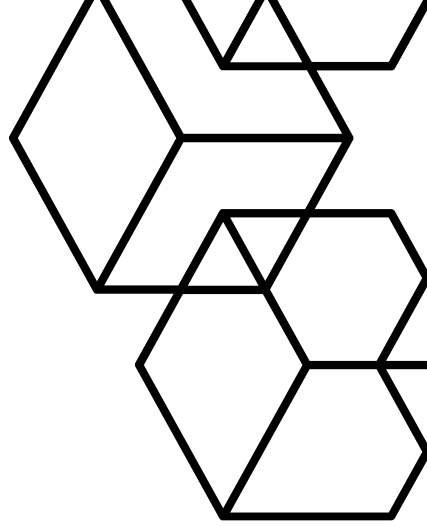
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CHAPTER 3 : SOFTWARE DEVELOPMENT PROCESS

- Introduction to software development process
- Software development lifecycle
- Waterfall model
- Agile methodology
- DevOps

CHAPTER 4 : SOFTWARE DESIGN

- Introduction to software design
- Object oriented programming
- UML diagrams
- Design patterns



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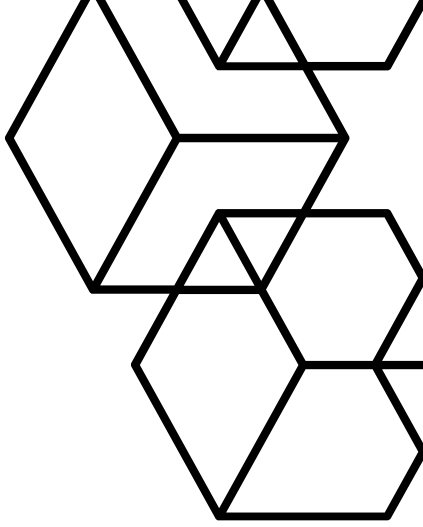
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CHAPTER 5 : CODING AND IMPLEMENTATION

- Coding standards
- Programming best practices
- Debugging techniques
- Version control

CHAPTER 6 : SOFTWARE TESTING

- Testing basics
- Types of testing
- Test-driven development
- Automated testing



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CHAPTER 7 : DEPLOYMENT AND MAINTENANCE

- Deployment basics
- Configuration management
- Maintenance and support
- Software updates and upgrades

