



Introduction to Salesforce
Development
Salesforce
Development
Overview

Salesforce Development

Understanding the Power of Salesforce

Salesforce development empowers organizations to build **custom applications** and automate processes, driving business agility and enabling digital transformation within enterprise environments.



Salesforce Tools

Exploring essential tools for development

Salesforce CLI

Salesforce CLI is a powerful command-line interface that simplifies development and automation tasks, enhancing efficiency in managing Salesforce projects and environments.

Developer Console

The Developer Console is a browser-based tool that provides a user-friendly interface for testing, debugging, and running Apex code, as well as monitoring performance.

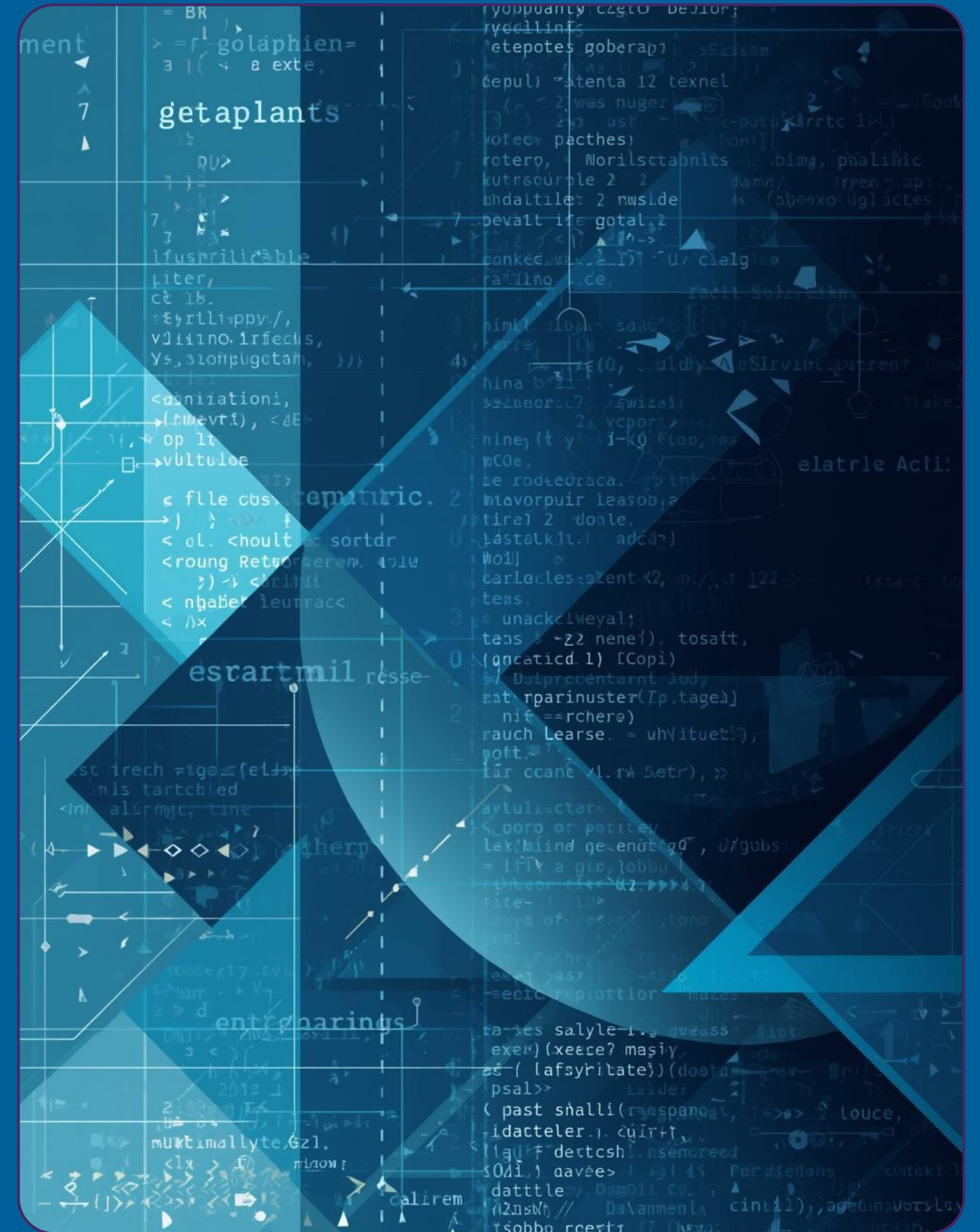
Visual Studio Code

Visual Studio Code, enhanced with Salesforce Extensions, offers a robust integrated development environment (IDE) for writing code, providing syntax highlighting, and facilitating seamless deployment processes.

Apex

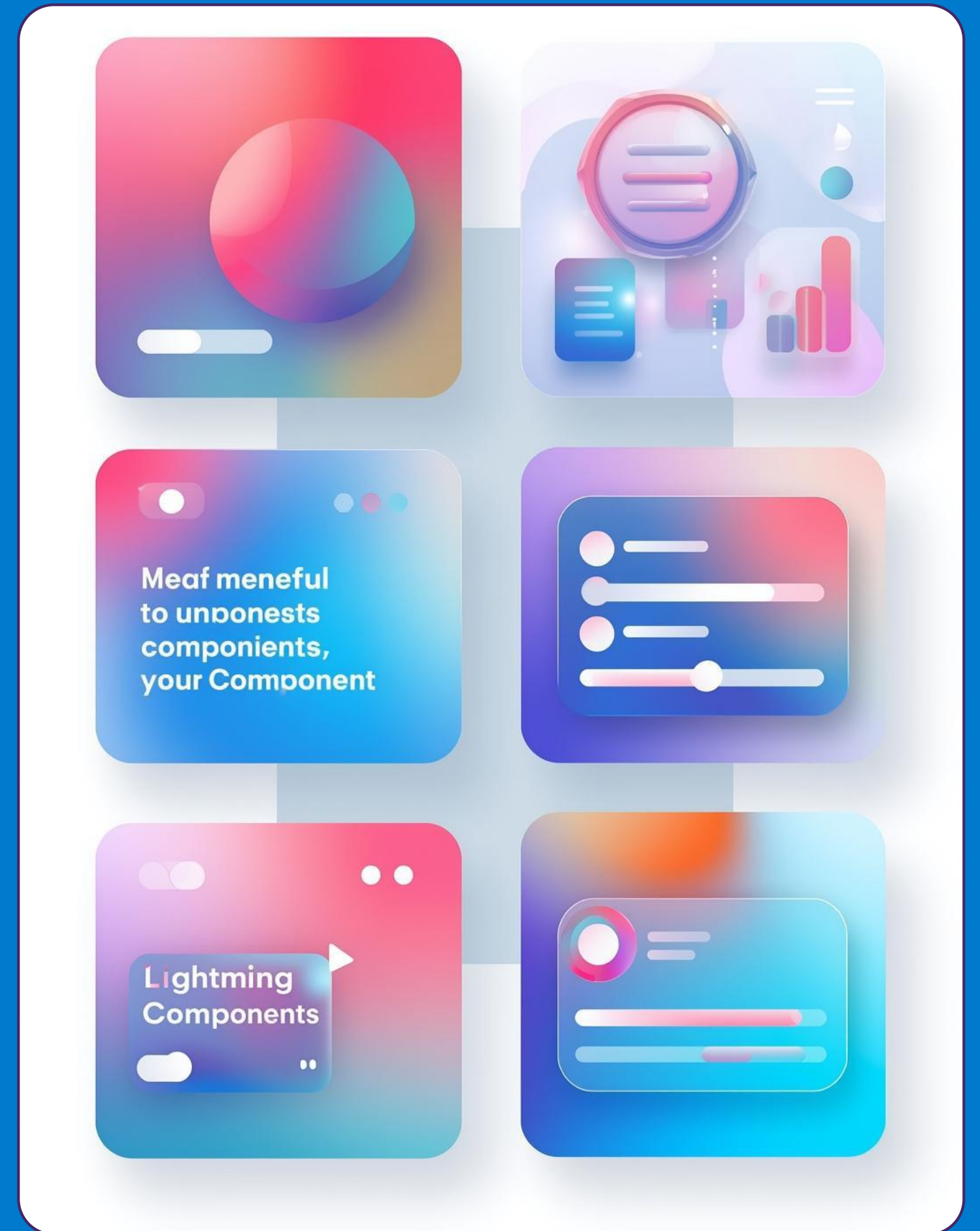
Programming

Apex is a powerful, strongly typed programming language used for building custom applications and automation on Salesforce.



Lightning Components

Lightning Components allow developers to **create dynamic and responsive user interfaces**, enhancing user experiences across Salesforce applications.



Declarative vs Programmatic

Understanding Different Development Approaches in Salesforce

Declarative Development

Declarative development utilizes Salesforce's **built-in tools** to automate processes without coding, enabling users to create custom applications through point-and-click interfaces efficiently.

Programmatic Development

Programmatic development involves writing code using languages like Apex to achieve complex functionalities, offering greater flexibility and customization for developers to tailor solutions to specific business needs.

Development Lifecycle

Requirement Gathering



Identify needs and document project specifications.

Sandbox Development



Implement features in a safe testing environment.

Testing and Deployment



Validate functionality before launching to production.

Version Control & Security

Ensuring Data Integrity in Development

Version Control

Implementing version control is crucial for tracking changes and collaborating effectively, ensuring that developers can manage code revisions and maintain a reliable history of modifications.

Security Practices

Employing robust security measures, such as permission sets and sharing rules, helps protect sensitive data and maintain compliance with organizational policies while fostering a secure development environment.

Performance Optimization

To enhance efficiency, focus on bulkification, governor limits awareness, and optimize queries for better system performance.



Key Takeaways

Successful Salesforce development requires understanding tools, processes, and best practices for effective implementation and business agility.



Next Steps

Delve into **Salesforce Trailhead modules** and engage with communities to boost your skills and networking opportunities.



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