

Back-End Developer Course Overview

Learn how to rapidly build real-world applications and customize any aspect of the platform.

Target Audience

- Back-End Developers
- Java Developers
- Technical Architects

Prerequisites

This course requires you to have Java development experience.

Modules

This course takes five days and covers the following topics:

Setting up the Development Environment	<ul style="list-style-type: none">• Development Environment Setup	
OSGi Basics	<ul style="list-style-type: none">• The OSGi Framework• Bundles• Components and Services	<ul style="list-style-type: none">• Sharing Features• OSGi Architecture• OSGi Benefits
Liferay's OSGi Container	<ul style="list-style-type: none">• Introducing Liferay Modules• Working with Liferay Workspace	<ul style="list-style-type: none">• Manage Module Dependencies
Managing OSGi Bundles	<ul style="list-style-type: none">• Manage OSGi Bundles with the Gogo Shell	<ul style="list-style-type: none">• Using Felix Web Console
Working with Portlet Modules	<ul style="list-style-type: none">• Java Standard Portlets	<ul style="list-style-type: none">• Working with Liferay Portlet Modules

Real-World Applications	<ul style="list-style-type: none"> • Introducing Liferay Service Builder • Create the Presentation Layer • Implement Access Control • Integrate with Liferay Frameworks • Make the Application Configurable 	<ul style="list-style-type: none"> • Implement Workflow Support • Integrate with External Systems • Logging • Testing • Debugging • Managing Deployment Issues
Platform Architecture Overview	<ul style="list-style-type: none"> • Overview of the Architecture 	
Customize the User Interface	<ul style="list-style-type: none"> • Liferay User Interface Technologies Overview • Change the Default Application UI with Widget Templates 	<ul style="list-style-type: none"> • Customize the Application JSPs
Extend the Liferay Schema	<ul style="list-style-type: none"> • Introducing Custom Fields 	<ul style="list-style-type: none"> • The Expando API
Customize the Service Layer	<ul style="list-style-type: none"> • Service Wrappers 	<ul style="list-style-type: none"> • Override OSGi Service References
Override Controller Actions	<ul style="list-style-type: none"> • Override MVC Commands 	<ul style="list-style-type: none"> • Override Struts Actions
Catch Portal Events	<ul style="list-style-type: none"> • Catch Portal Lifecycle Events 	<ul style="list-style-type: none"> • Intercept Events with Model Listeners
Leverage the Liferay Message Bus	<ul style="list-style-type: none"> • Introducing the Liferay Message Bus 	

Customize the Portal Search	<ul style="list-style-type: none"> • Introducing Liferay Search • Basic Search Concepts 	<ul style="list-style-type: none"> • Customize Indexing and Searching
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Customization

Interested in customization for this course? Email training@liferay.com to discuss your options. Customization is only available for private trainings.



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