LSU Powered By **Fullstack Academy**

Become a DevOps Engineer with the LSU Development Operations Bootcamp

Study development operations with the LSU DevOps Bootcamp, powered by Fullstack Academy.

- Add in-demand DevOps engineering skills to your resume
- Graduate with a portfolio of projects to show employers
- Get job search support to help you get hired

Explore the curriculum and see what you could learn with us.

Foundations

Linux	Networking	AWS	Python	DevOps
• Introduction to Linux Systems Architecture • Core System Commands • Systems Administration • Shell Scripting Basics • Distributions and Building from Source • Security Hardening	• Device and OSI Concepts • Routing and Switching • Ports and Protocols • Enterprise Firewalls • Proxies and Payload Inspection • Troubleshooting Connectivity Issues	• Cloud Models and Shared Responsibilities Overview • AWS Well-Architected Framework and Pillars • VPCs: Native and Hybrid Network Connectivity • Identity Access Management and Permissions • Migration Practices and Architectures • AWS Operational Security Best Practices	• Python Overview and Common Use Cases • Use builtin functions and libraries • Data Types and Structures • Standard Data Input and Output • Use Decision Controls • Create Modularity with Functions	• Software Development Lifecycles (SDLC) • Translate and Port Code • Standardizing Data for Producers and Consumers • Source Code Operations • Secure Coding Practices • Secure CI/CD

AWS Skills aws academy

Cloud Architecture	Cloud Development	Cloud Operations
• Designing for High Availability • Automating your Infrastructure • Designing Web-Scale Media	• Developing Storage Solutions with Amazon S3 • Developing NoSQL Solutions with Amazon Dynamo DB • Caching Information for Scalability	• Tooling and Automations • Computing (Servers) • Monitoring and Security

Career Prep	• Build a Capstone Project to share with employers • Build a technical resume and craft cover letters • Optimize your LinkedIn profile and network within the industry • Receive personalized 1-1 coaching with interview and negotiation training

Please note that this is a sample curriculum and is subject to change.