Become a DevOps Engineer with the Wake Forest University DevOps Bootcamp

Study development operations part-time with the Wake Forest University DevOps Bootcamp powered by Fullstack Academy.

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

Explore the curriculum to see what you can learn with us.*

Foundations

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

AWS Skills   aws academy

Cloud Architecture	Cloud Development	Cloud Operations
• Designing for High Availability	• Developing Storage Solutions with Amazon S3	• Tooling and Automations
• Automating your Infrastructure	• Developing NoSQL Solutions with Amazon Dynamo DB	• Computing (Servers)
• Designing Web-Scale Media	• Caching Information for Scalability	• 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
	• Personalized 1-1 coaching with interview and negotiation training

*Wake Forest Tech Bootcamps powered by Fullstack Academy are not facilitated by Wake Forest faculty or staff.

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