



University of Oklahoma Outreach DevOps Bootcamp.

Study development operations skills part-time online with the OU Outreach DevOps Bootcamp, powered by Fullstack Academy.

- ♦ Add in-demand DevOps engineering skills to your resume
- ♦ Create a varied portfolio of projects to demonstrate your experience
- ♦ Get job search support throughout the course and beyond to help you get hired

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



Foundations

Linux	Networking	AWS	Python	DevOps
<ul style="list-style-type: none">♦ Introduction to Linux Systems Architecture♦ Core System Commands♦ Systems Administration♦ Shell Scripting Basics♦ Distributions and Building from Source♦ Security Hardening	<ul style="list-style-type: none">♦ Device and OSI Concepts♦ Routing and Switching♦ Ports and Protocols♦ Enterprise Firewalls♦ Proxies and Payload Inspection♦ Troubleshooting Connectivity Issues	<ul style="list-style-type: none">♦ 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	<ul style="list-style-type: none">♦ 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	<ul style="list-style-type: none">♦ 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  academy

Cloud Architecture	Cloud Development	Cloud Operations
<ul style="list-style-type: none">♦ Designing for High Availability♦ Automating your Infrastructure♦ Designing Web-Scale Media	<ul style="list-style-type: none">♦ Developing Storage Solutions with Amazon S3♦ Developing NoSQL Solutions with Amazon Dynamo DB♦ Caching Information for Scalability	<ul style="list-style-type: none">♦ Tooling and Automations♦ Computing (Servers)♦ Monitoring and Security
Career Prep		<ul style="list-style-type: none">♦ 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.