



Utah State
University



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Fullstack
Academy

Become a DevOps Engineer with the Utah State University DevOps Bootcamp

Study development operations with the Utah State 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
- ♦ Get 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
<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.