

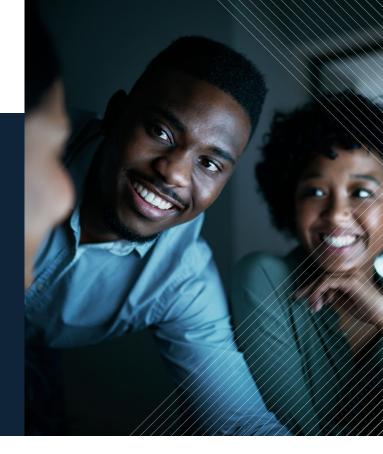


## Become a DevOps Engineer with the Utah State University **DevOps Bootcamp**

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> <li>Introduction to Linux Systems Architecture</li> <li>Core System Commands</li> <li>Systems Administration</li> <li>Shell Scripting Basics</li> <li>Distributions and Building from Source</li> <li>Security Hardening</li> </ul>	<ul> <li>Device and OSI Concepts</li> <li>Routing and Switching</li> <li>Ports and Protocols</li> <li>Enterprise Firewalls</li> <li>Proxies and Payload Inspection</li> <li>Troubleshooting Connectivity Issues</li> </ul>	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> <li>Python Overview and Common Use Cases</li> <li>Use builtin functions and libraries</li> <li>Data Types and Structures</li> <li>Standard Data Input and Output</li> <li>Use Decision Controls Create Modularity with Functions</li> </ul>	Software Development Lifecycles (SDLC) Translate and Port Code Standardizing Data for Producers and Consumers Source Code Operations Secure Coding Practices Secure CI/CD



Cloud Architecture	Cloud Development	Cloud Operations
<ul> <li>Designing for High Availability</li> <li>Automating your Infrastructure</li> <li>Designing Web-Scale Media</li> </ul>	<ul> <li>Developing Storage Solutions with Amazon S3</li> <li>Developing NoSQL Solutions with Amazon Dynamo DB</li> <li>Caching Information for Scalability</li> </ul>	<ul><li>Tooling and Automations</li><li>Computing (Servers)</li><li>Monitoring and Security</li></ul>
	Build a Capstone Project	t to share with employers

**Career Prep** 

- 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.