



National Occupational Framework: DevOps Engineer

DevOps engineers bridge the gap between development and operation of software and foster collaboration among teams in order to streamline and optimize the software lifecycle. They automate processes to build, test, and deploy code; manage application infrastructure to support scalability; and implement security practices throughout the development process.

DevOps Engineer
National Occupational Framework
<https://urbn.is/43HFtGe>



Apprenticeship: A Solution for Recruiting and Training DevOps Engineers

Apprenticeship programs combine learning on the job and in the classroom to train workers in the exact skills needed by employers. DevOps engineers play a crucial role in the success of software projects, and demand for these skilled tech professionals is growing rapidly. Apprenticeship programs can prepare workers with the knowledge and skills in programming, project management, and team collaboration needed to enter and succeed in this important and growing occupation.



Apprenticeship Benefits:

90%
employment retention for apprentices

86%
of employers with programs recommend apprenticeship

\$1.44
return on investment for every dollar spent

WHAT'S INCLUDED IN A NATIONAL OCCUPATIONAL FRAMEWORK?

- background information to help you learn more about the occupation
- comprehensive list of the competencies apprentices need to do the job
- building blocks of information for employers developing a registered apprenticeship program

Questions? Visit the National Apprenticeship Resource Hub at apprenticeships.urban.org or contact the Urban Institute at apprenticeship@urban.org.



This project has been funded, either wholly or in part, with federal funds from the Department of Labor, Employment and Training Administration under Cooperative Grant Number AP-36653-21-75-A-11. The contents of this publication do not necessarily reflect the views or policies of the Department of Labor, nor does mention of trade names, commercial products, or organizations imply endorsement of the same by the US Government.