

## DevOps Engineer Consultant

The [NYU McSilver Institute for Poverty Policy and Research](#) is committed to creating new knowledge about the root causes of poverty, developing evidence-based interventions to address its consequences, and rapidly translating research findings into action through policy and best practices.

The AI Hub at NYU McSilver is inviting proposals for a consulting agreement to engage the services of an experienced DevOps Engineer. The AI Hub has been established to investigate how artificial intelligence-driven systems can equitably address poverty and challenges relating to race and public health and provide thought leadership on the implications. At the AI Hub, we are developing software applications to enable more efficient, equitable, and accessible data analysis and insights for public health research and policy. We have a collaborative team of developers, data scientists, and public health researchers dedicated to leveraging technology and AI/ML for positive impact through public health solutions that better serve underrepresented and marginalized groups.

Reporting to the Assistant Director for Research and collaborating closely with a multidisciplinary team of researchers and developers, the DevOps Engineering consultant will contribute their expertise to building infrastructure for the AI Hub's Suicide Risk Dashboard Initiative, working directly with our Development Team.

### What you'll work on:

- **Suicide Risk Dashboard Initiative:** A tool for making data science and machine learning more accessible for suicide prevention research and policy.

### Key skills and experience:

- In-depth knowledge of DevOps practices, especially cloud solutions, CI/CD, automation, and application security.
- Hands-on experience with AWS or similar cloud platforms.
- Experience in containerization (e.g., Docker) and orchestration techniques (e.g., Kubernetes, ECS, EKS, etc.).
- Strong knowledge of CI/CD tools (e.g., BuildKite, AWS CodePipeline, Jenkins).
- Knowledge of networking concepts (e.g., VPC, firewall, load balancing, security groups).
- Experience developing security and compliance into infrastructure and pipelines.
- Proficiency with version control systems (e.g., Git, GitHub, GitLab).
- Understanding of agile/scrum methodologies and working knowledge of project management tools such as Jira and Confluence.
- Excellent communication, teamwork, and organizational skills, coupled with a keen attention to detail and an analytical mindset.

### Key responsibilities:

- Collaborate with our development team to design and implement scalable, secure, and cost-efficient cloud-based infrastructure in AWS.
- Implement CI/CD pipelines for security scanning and build, test, and release automation.
- Deploy and manage containerized applications using Docker and AWS ECS.
- Ensure cloud infrastructure adheres to security best practices, including implementing access controls, encryption, firewalls, and vulnerability scanning.
- Implement logging, monitoring, and alerting systems to ensure application performance and reliability.
- Participate in agile/scrum processes, including sprint planning, standups, demos, and sprint retrospectives.
- Provide technical guidance to the team on best practices for development, security, and operations.
- Write and maintain clear documentation for DevOps processes and tools.

### Required qualifications:

Bachelor's Degree in Computer Science or related discipline and 2+ years of professional experience in infrastructure development **or** equivalent combination of education and experience.

### Preferred qualifications:

- Experience building products from the ground up.
- Proficiency with SQL and NoSQL database technologies, capable of designing, querying, and managing databases.
- Familiarity with machine learning, MLOps, and AI deployment workflows.
- Experience or interest in working on projects in public health and/or responsible AI/tech and AI/tech for social good.

### Specifications:

- **Location:** Remote (optional on-site New York City)
- **Duration:** 3- to 6-month consulting agreement with possible extension
- **Rate:** \$45-\$60 hourly wage

### Why Join Us?

This is an opportunity to contribute to a mission-driven initiative that leverages cutting-edge technology to save lives and promote mental health equity. We encourage you to apply if you are passionate about designing impactful solutions and thrive in collaborative environments.

### How to Apply

Send a resume and cover letter to [ke2129@nyu.edu](mailto:ke2129@nyu.edu) with "DevOps Engineer Consultant Proposal" in the subject line.