## **DevOps Engineer**

## About Enea

Every day, more than three billion people around the globe rely on our technologies in a wide range of applications in multiple verticals – from Telecom and Automotive, to Medical and Avionics. We are behind the most extensively deployed embedded operating system in the communication market, our solutions are deployed in more than half of the world’s cellular base stations and a majority of the world’s satellite base stations. Listed on NASDAQ OMX Nordic Exchange Stockholm AB, Enea is an open-company ready for the open-source ecosystem, a company that understand, support and promote the daily needs and aspirations of its team members.

Why make it boring? Join us!

The technologies used by the Enea team in the Abbott project are diversified, among them: SQL, PL / SQL, Linux, Python, Django, Perl, Docker.

## About Abbott

Abbott Laboratories is a multinational company that operates in the design, research, development, production and distribution of medical and pharmaceutical products, including nutritional products, diagnostics, and medical devices. The Enea team, together with the team from San Diego, is working on creating a complete solution for validation and formal verification of the product, by automating the framework of the ID Now medical instrument - equipment that performs biomolecular analysis medical tests. Rebranded as ID Now after its acquisition in 2016 by Abbott, the instrument is one of the most popular medical rapid molecular testing equipment. Since its launch in 2014, the product has been used for rapid testing for the detection of influenza A and B viruses, streptococcus A and RSV respiratory virus. In the context of the current pandemic, the product introduced one of the first general purpose rapid tests to detect COVID-19. The instrument uses proprietary enzymes as well as constant temperature control to achieve rapid RNA amplification in samples.

## Position objectives

The position of DevOps Engineer is working with our system engineers teams and automation and testing teams using DevOps tools in order to help medical devices applications development. In support of these goals, Enea believes that specific DevOps engineering technical expertise with a rich history in complex system verification techniques, test environments, system integration and validation is crucial to the successful deployment of Abbott’s test automation system and support of the Digival and ID Now products.

## Essential functions

**Operations:**

1. Implement the initial cloud architecture (Proof-of-concept, initial production environment)
2. Design and implement new cloud infrastructure to support future capabilities (Data Platform, External GUI, etc.)
3. Support and maintain the existing cloud infrastructure. Participate in 24/7 on-call rotation to meet production SLAs
4. Design and implement SLI/SLOs and supporting monitoring/observability
5. Troubleshoot and monitor bugs/misconfigurations in cloud infrastructure across multiple environments
6. Implement Infrastructure-as-code (IAC) configurations to provision new regional environments and detect drift
7. Perform data backups and disaster recovery operations
8. Continuously optimize cloud infrastructure for cost optimization, performance, and security
9. Configure and maintain cloud infrastructure IAW cybersecurity office requirements
10. Generate documents to meet compliance requirements

**Automation:**

1. Design, select, and implement DevOps tooling and configuration (ArgoCD, Jenkins, git, Azure DevOps)
2. Create, maintain, and upgrade automation pipelines
3. Select and implement security tooling (SAST, DAST, SCA, OSS). Incorporate into any exiting automation workflows
4. Implement and support automated testing (unit, integration, end-to-end, QA) tooling (Robot Framework, etc.)
5. Configure and maintain additional tooling IAW cybersecurity office requirements
6. Generate additional documents to meet compliance requirements

## Contacts & Supervisory responsabilities

Together with your team colleagues, you are working closelly with the entire working team, which is providing you support for the daily technical jobs, and with the Enea Program Manager which is empowering your skills and expertise by providing the needed knowledge, information and resources.

## Qualifications

1. College graduated in Computer Science, Telecommunications or equivalent
2. EE/CS/CE engineering background or previous IT experience

## Required key skills

1. Experience in Python and Pytest for Test Scripting
2. Knowledge of cloud providers: AWS, Azure, GPC, etc.
3. Knowledge of DevOps/automation tooling (CI/CD concept) and basic software delivery
4. Knowledge of container technology and container management systems (Docker, Kubernetes)
5. Capable of basic scripting/programming (Python, Bash)
6. General troubleshooting skills

## Great to have

1. 1+ YOE supporting production cloud projects
2. 1+ YOE implementing automation, tooling, scripting to support software delivery
3. 1+ YOE working within a public cloud provider (AWS, Azure, GCP)
4. 1+ YOE working with container technologies (Docker, Kubernetes)