

VIDYA ARUMUGAM MALA

DevOps Engineer



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Amstelveen, the Netherlands

SUMMARY

I'm an enthusiastic DevOps Engineer with extensive experience in the IT industry, always eager to learn and improve. I collaborate closely with clients to enhance application security and functionality, ensuring a stable end product. My teamwork skills are strong, and I thrive in social interactions.

EXPERIENCE

DevSecOps Engineer

Everable B.V.

2020 - Present Amsterdam www.everable.com

In my role, I have achieved the following:

- Developed Azure DevOps Pipelines to securely deploy storage accounts, SQL Servers, and containerized applications to Azure app service, utilizing Terraform. This was a crucial part of course development on the Everable platform, which typically includes theory and multiple hands-on labs.
- Created CI/CD pipelines on the GitLab platform, ensuring the secure deployment of container images using a specific container image scanner, Trivy.
- I've developed automation testing scripts from scratch, utilizing Selenium and Node.js within the Cucumber framework. These scripts are critical in maintaining over 30 labs operating on diverse Cloud and CI/CD platforms.
- Implemented parallel test execution using AWS Developer tools like Stepfunctions, CodeBuild, and Lambda functions.
- Kept course material up-to-date by regularly upgrading the tools and libraries used in the DevSecOps labs.
- Took the lead in technical and customer support for the organization, establishing processes and tools for various support activities. I also implemented a new support system using Opsgenie to receive immediate alerts whenever a customer's lab requires manual review.
- Provided first-level support to clients, assisting them in completing hands-on labs on the e-learning Everable platform.
- I created and updated hands-on manual labs on Azure, AWS, and GCP, utilizing Azure DevOps, GitLab, and Eclipse Che CI/CD platforms.

Test Analyst

ABN AMRO N.V. (via Infosys Ltd)

2020 - 2020 The Netherlands

- Assessing the security of a product, including both applications and APIs, hosted on the Salesforce cloud platform, which contains sensitive customer data.
- Providing customers with security guidance through a comprehensive report on application implementation.

SKILLS

- DevSecOps
- Dynamic and Static Security Testing
- Automation and Manual Testing
- Azure DevOps, GitLab CI/CD
- Terraform Shell Scripting
- Selenium, Cucumberjs
- Docker Container Security
- Azure, AWS
- Java, JavaScript

LANGUAGES

Tamil Native	●●●●●
Malayalam Native	●●●●●
Hindi Advanced	●●●●●
English Advanced	●●●●●
Dutch Beginner	●●●●●

CERTIFICATION

- Microsoft Certified: Azure Developer Associate
- Microsoft Certified: Security, Compliance, and Identity Fundamentals
- Microsoft Certified: Azure Fundamentals
- CEH

EXPERIENCE

Test Analyst

Laminex, Australia (via Infosys Ltd)

2017 - 2018 India

- Took the lead in performing Dynamic Application Security testing for cloud-based applications on Microsoft Azure. Collaborated extensively with development teams to prioritize and resolve vulnerabilities uncovered during web application penetration testing.
- Performed Network Vulnerability Assessments utilizing the Nmap tool. Proficiently conveyed security concerns by creating comprehensive test reports, analysis of automated scan results, and risk assessment. Recommended countermeasures based on industry standards such as OWASP Top 10, CWE, and risk rating metrics, including severity, impact, and likelihood.
- Recognized with an award for leadership and management in the testing process. Broadened responsibilities to encompass Mobile testing, ensuring the security and functionality of applications on both iOS and Android platforms.

Test Engineer

Australian Military Bank, Australia (via Infosys Ltd)

2016 - 2017 India

- Gathered security requirements and prepared test cases in alignment with OWASP standards and business needs.
- Conducted manual Dynamic Application Security Testing (DAST) utilizing Burp Proxy, successfully identifying and reporting critical vulnerabilities on both server and client sides.
- Recognized with the Best Team Award, demonstrating strong teamwork skills in the context of Banking Projects.

Test Engineer

Experian, SSE, OLAM, Sears (via Infosys Ltd)

2014 - 2016 India

- Conducted systematic and well-structured security testing for multiple web applications, including REST-based web services.
- Delivered regular status reports, both daily and weekly, detailing the extent of test coverage achieved.
- Executed penetration testing, thoroughly presenting vulnerabilities and recommended remediations to clients, ensuring a clear understanding.
- Contributed a valuable knowledge artifact on Cryptography and Web Application Security best practices, enriching the company's repository of expertise.
- Proficient in source code review, specifically in Java.
- Experienced in functional and manual testing using the waterfall model, validating both front-end and back-end (database) aspects of applications in domains such as E-commerce and Healthcare, including a US-based healthcare provider's FACETS application.
- Automated the regression test suite for an E-commerce application, specifically the Order Management System (OMS) validation.

Test Engineer

Blue Cross Blue Shield, USA (via Infosys Ltd)

2012 - 2014 India

- Engaged in functional testing adhering to the waterfall model methodology.
- Conducted comprehensive testing on the FACETS application, ensuring functionality and robust database validation in Healthcare-based applications.
- Collaborated on developing Macros to enhance testing efficiency and user-friendliness.
- Actively participated in crucial Regression testing processes.

EDUCATION

Bachelor of Technology,
Computer Science

University of Kerala

2008 - 2012

PASSIONS



Cycling



Gardening



Badminton



Dancing



Travelling