

# RITIK RANJAN – DevSecOps Engineer



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I have 1 Year experience as a DevSecOps Engineer with a focus on ensuring comprehensive security scanning and vulnerability detection. My experience includes security tools such as Blackduck and Polaris, configuring security stages on Gitlab pipelines, and conducting FST scans on Jfrog tool. I am proficient in setting up scans on various operating systems including Windows, Linux and MacOS. I have a strong track record of proactively resolving incidents and errors related to security tools, minimizing downtime and disruptions. I am committed to ensuring the integrity and security of software applications. My expertise in DevSecOps and my ability to seamlessly integrate security scans into the development process make me a valuable asset to any organization.




## TOOLS & TECHNOLOGIES

**Languages:** HTML, CSS, Python | **Container:** Docker, Kubernetes | **Version Control:** GitLab, Git, GitHub | **CICD:** Jenkins, Gitlab  
**Security Tools:** SonarQube, Blackduck (SCA), Polaris (SAST), Invicti (DAST) | **Platform:** DevOps, AWS  
**Operating System:** Windows, Linux | Microsoft Excel

## PROFESSIONAL EXPERIENCE

<b>Full Time: DevSecOps Engineer   SecIQ Technologies LLP</b> Client: - Wabtec Corporation	 July 2023 – Present
<ul style="list-style-type: none"><li>Onboarding applications and projects on security tools for <b>SCA (Blackduck) and SAST (Coverity on Polaris)</b>, ensuring comprehensive security scanning and vulnerability detection.</li><li>Configure the <b>security stage on Gitlab pipeline</b> and seamlessly integrated Blackduck and Polaris with Gitlab projects, <b>enabling automated security</b> scans and ensuring early detection of <b>vulnerabilities</b>.</li><li>Set up Blackduck and Polaris scans on various operating systems, including <b>Windows, Linux and MacOS</b>, ensuring compatibility and coverage across different environments.</li><li>Conducted <b>FST (File System Testing) scans on Jfrog tool</b> to identify and address security vulnerabilities, ensuring the integrity and security of the software applications.</li><li>Proactively <b>resolving incidents and errors</b> related to Blackduck and Polaris, <b>adhering to SLA terms</b> and <b>minimizing downtime</b> and disruptions to the development process.</li></ul>	
<b>Intern: DevOps Engineer   Crimzen Red Studios</b>	 Oct 2022- Dec 2022
<ul style="list-style-type: none"><li>Successfully <b>deployed Nakama Server on AWS</b>, utilizing tools such as AWS EC2, Git, Github, Docker, and Jenkins, to build an online multiplayer game for Crimzen Red Studios.</li><li><b>Implemented Cockroachdb on AWS</b> as the game database, leveraging AWS EC2, Git, Github, Docker, and Jenkins, to ensure efficient and reliable data storage and retrieval.</li><li><b>Collaborated with the development team</b> to ensure seamless integration of the Nakama Server and Cockroachdb into the game infrastructure.</li></ul>	

## PROJECTS

<b>Deployed Node Todo App on AWS</b>	 July 2023
<ul style="list-style-type: none"><li>Successfully set up and managed two (t2.medium) AWS EC2 instances, ensuring smooth and efficient deployment of applications.</li><li>Implemented and maintained Docker containers for Node applications</li><li>Integrated Jenkins and SonarQube, enabling seamless code analysis within the CICD pipeline, facilitating early detection and resolution of code issues.</li><li>Configured build steps in the pipeline to include code analysis and deployment, ensuring a streamlined and efficient development process.</li></ul> <p><b>Achievement:</b> <b>SonarQube detects bugs</b> in the code and <b>reduces the risk of software</b> development automatically and alerts developers to fix them.</p>	
<b>Deployed Django Todo List on Kubernetes</b>	 June 2023
<ul style="list-style-type: none"><li>Built <b>Kubernetes Cluster</b> on AWS from scratch with Minikube.</li><li>Setup and managed Docker container for Django application into Kubernetes Pods.</li><li>Managed <b>Deployment, Replication, Auto-healing</b> and <b>Auto-scaling</b> for Kubernetes cluster.</li><li><b>Managed network</b> and service with <b>Host IP allocation</b>.</li></ul> <p><b>Achievement:</b> <b>Reduced Downtime</b> on Production Environments.</p>	
<b>Setup Local Gitlab Runner on Ubuntu</b>	 March 2024
<ul style="list-style-type: none"><li>Successfully installed and configured a Local Gitlab runner on Ubuntu, enabling seamless integration with <b>Gitlab Pipeline</b>.</li><li>Utilized the Local Gitlab Runner to <b>trigger Gitlab Pipeline</b> jobs, ensuring smooth and <b>automated execution</b> of tasks.</li><li>Maintained clear and concise documentation of the installation and configuration process, facilitating future reference and <b>knowledge sharing</b>.</li></ul> <p><b>Achievement:</b> A runner is a lightweight, highly-scalable agent that picks up a CI job through the coordinator API of <b>GitLab CI/CD</b>, runs the job, and sends the result back to the GitLab instance.</p>	

## EDUCATION

B.Sc – Information Technology | Gossner College, Ranchi, Jharkhand | 2022  
Intermediate | R.N.T.I College, Ranchi, Jharkhand | 2019

## KEY STRENGTH

- Problem Solver | Quick Learner | Hard Working | Team Player

## CERTIFICATIONS / AWARDS:

- DevOps Certificate