

ATANU BISWAS

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DevSecOps Engineer with 1.8 years of experience in startup environments. **Proficient in Python, Jenkins, Docker, Kubernetes, and Cloud infrastructure technologies.** Strong communication skills in English. Actively contribute to open-source projects. Ready to bring technical expertise and innovation to your team.

SKILLS

- **Version Control & Scripting:** Git, Bash, Python.
- **Source Code Management Tools:** Gitlab, GitHub, Bitbucket.
- **Cloud Platforms:** AWS, Azure, GCP.
- **Containerization & Orchestration:** Docker, ECS, Kubernetes, EKS, Helm.
- **Infrastructure as Code & Configuration Management:** Terraform, Ansible, Chef, Puppet, CloudFormation.
- **CI/CD Tools:** Jenkins, GitHub Action, GitLab CI, Circle CI, ArgoCD.
- **Monitoring Tools:** Grafana, Prometheus, CloudWatch, ELK Stack, Datadog, New Relic, PagerDuty.
- **Security Tools:** SonarQube, Trivy, Docker Scout.
- **Operating Systems:** Linux, Unix, Linux/Unix, Ubuntu, Mac OS, Windows.
- **Automated Testing Tools:** Selenium, JUnit, TestNG.
- **Machine Learning Frameworks:** TensorFlow, PyTorch.
- **Documentation Tools & Project Management Tools:** Confluence & Jira
- **Web Frameworks:** Django, Flask.

WORK EXPERIENCE

Human Managed: *DevSecOps Engineer*

August 2024 – Present

Singapore, Remote

- Established an internal CI/CD workflow with automated **vulnerability scans, reducing vulnerabilities by 60%.**
- Implemented alerting through Slack for **CI/CD pipelines and conducted Root Cause Analysis (RCA)** for post-incident reviews.
- Established and enforced security policies, standards, and best practices across development and operations teams.
- Continuously evaluated and improved security processes, tools, and practices to **adapt to evolving threats and business needs.**

PearlThoughts: *DevOps Engineer*

March 2022 – June 2023

India, Remote

- Led execution on **6 Real-Time Projects:** Mainland hellomainland.com, encompassing 1851franchise.com, stachcow.com, estatenvy.com, room1903.com, smw.com, and Schedula.in.
- Developed and implemented a continuous integration and deployment (CI/CD) infrastructure pipeline for a new application, **reducing deployment time and scalability by 50% and increasing team productivity by 25%.**
- Set up and maintained testing, development, staging, and production environments, **ensuring seamless application deployment and improving** overall system reliability through containerization of microservices **including load balancing and clustering.**
- Collaborative with development teams to problem-solve, debug, and continuously improve software applications solutions, migrations and troubleshooting **resulting in a 15% increase in user satisfaction and a 10% increase in revenue** through proper teamwork **using tools like PowerShell and VMware.**

- Maintained system documentation and provided **trained new team members**, improving **onboarding time by 30%**.
- Monitored system logs and identified potential issues, **resulting in a 40% reduction in system downtime and improved system performance**.

PROJECTS

- [\[LINK\]](#) Utilized **GitHub Actions** to deploy a **static website to AWS S3 with HTTPS via CloudFront** through a **CI/CD pipeline**.
- [\[LINK\]](#) Deployed a **MERN stack** travel blog website **to EKS using GitHub Actions**.
- [\[LINK\]](#) Implemented deployment of a Reddit clone on **Kubernetes using GitHub Actions**.
- [\[LINK\]](#) Created a **DevSecOps Argo CD pipeline** to deploy a Netflix clone on **Kubernetes and EKS**.
- [\[LINK\]](#) Developed a **shell script** to automate Docker environment setup.

EDUCATION

Narula Institute of Technology || Kolkata, INDIA
B.Tech - Bachelor of Technology in Mechanical Engineering

September 2019 – March 2022

CERTIFICATION

- **COGNIZANT** – Agile Methodology Virtual Experience Program (2023)
- **DEEP LEARNING** - Serverless LLM Apps Amazon Bedrock (2024)
- **TWS** – Generative Artificial Intelligence AI for DevOps (2024)
- **CLOUD TRAIN** – DevOps Training (2022)
- **INTERNSHALA** – Cloud Computing (2022)