# ATANU BISWAS

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**DevSecOps Engineer** with **3+ 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 & Snyk.
- **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, coda.io & Click Up
- **Web Frameworks**: Django**,** Flask, NextJs, Node Js, Express Js

## WORK EXPERIENCE

**Human Managed**: *DevSecOps Engineer* August 2024 – Present
Singapore, Remote

- Established an internal CI/CD workflow with automated **vulnerability scans**, **reducing vulnerabilities by 80%.**
- 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 70% and increasing team productivity by 45%.**
- Set up and maintained testing, development, staging, and production environments, **ensuring seamless application deployment and improvin**g 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 55% increase in user satisfaction** and **a 80% 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 60%.**
- Monitored system logs and identified potential issues, **resulting in a 50%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 — September 2019 – March 2022
***B.Tech*** *- Bachelor of Technology in Mechanical Engineering*

## 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)