

Shohag Rana

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Objectives

As a professional with a solid foundation in Cybersecurity, DevSecOps, Linux, and Cloud Technologies, I am eager to contribute my technical expertise and passion for security in a dynamic, growth-oriented environment. My hands-on experience in threat analysis, system hardening, and secure network design equips me to make an immediate impact. I am looking for a challenging opportunity to leverage my skills and continue developing as a Cybersecurity & DevOps professional, while collaborating with a forward-thinking security team.

Experience

Infrastructure-Focused Full Stack Software Engineer

YouxPowered, Sydney

July 2025 - Present

- Architected and deployed **end-to-end CI/CD pipelines** in **Jenkins, CodePipeline** automating build, test, and deployment workflows for multiple environments introducing **blue-green deployment strategies**.
- Implemented **infrastructure observability** using **Prometheus, Grafana, and ELK Stack**, improving incident response and performance monitoring.
- Built and maintained a **self-hosted MongoDB cluster** with **Point-in-Time Recovery (PITR)** and backup automation for disaster recovery.
- Managed core **AWS infrastructure** including **EC2, Beanstalk, Lambda, VPC, IAM, CloudFront, S3, LightSail, and Security Groups**, ensuring scalability and compliance.
- Deployed and maintained **Rapid7 SIEM & Incident Command** to enhance visibility, threat detection, and compliance across endpoints and cloud assets.
- Collaborated with developers to streamline workflows, enabling faster, more secure software delivery with **IAC tools like Terraform and Ansible**.
- Led incident response and conducted post-mortems for critical system outages, **reducing mean-time-to-recovery (MTTR) by 50%** through root cause analysis and implementing preventive measures

Key Achievements:

- Reduced **AWS costs by 50%** (saving approximately \$15,000 Monthly) through resource rightsizing, automation and Cost Analysis.
- Boosted development efficiency by **20%** via optimized CI/CD processes and cross-team collaboration with security first mindset.
- Strengthening organizational security through continuous monitoring, incident response and achieved **ISO 27001 certification** for the organisation.

Academic Tutor

University of Technology, Sydney

Jan 2024 – July 2025

- Deliver comprehensive instructions in **Cryptography, Cybersecurity and Digital Forensics** to undergraduate and postgraduate students at UTS.
- Evaluate student assignments and projects with high attention to detail, providing **constructive feedback** to support student learning and academic growth.
- Lead weekly **lab sessions**, guiding students through hands-on exercises to reinforce theoretical concepts and cultivate practical skills.

Key Achievements:

- Consistently received **above 100% satisfaction ratings** in student feedback surveys for clarity, engagement, and support.
- Developed and implemented **interactive lab exercises**, improving student participation and comprehension by over 30%.
- Contributed to the **revamp of course materials**, aligning content with the latest industry standards and emerging technologies.

Engineer, Platform and Integration, System Engineering

bKash Ltd, Fintech, Bangladesh

October 2021 – February 2023

- Managed 500+ RHEL/Ubuntu Linux VMs, automating server provisioning with Ansible, reducing setup time by 40%.
- Built and maintained CI/CD pipelines using Jenkins and Tekton, increasing deployment speed by 20% and lowering manual errors.
- Deployed and operated containerized workloads with Docker, Kubernetes, Helm, and KEDA autoscaling, supporting 50+ production services with high availability.
- Implemented centralized logging and observability with Elastic Stack (ELK) and Prometheus/Grafana, improving mean-time-to-detect by 35%.
- Administered Cloudflare (DNS, WAF, L7 DDoS protection), managing 500+ DNS entries and handling 50,000+ TPS.

Key Achievements:

- Automated server readiness and CI processes, streamlining operations and improving reliability.
- Integrated modern monitoring and autoscaling, contributing to 99.99% uptime for mission-critical systems.
- Recognized for outstanding troubleshooting and successful production integrations.

Technical Skills

- Cloud & DevOps: AWS (EC2, Lambda, Beanstalk, VPC, IAM, CloudFront, Route53, CodeDeploy, CodePipeline etc.), Azure, Jenkins, Docker, Kubernetes, Helm, ArgoCD, Python and Bash Scripting.
- Monitoring & Security: Prometheus, Grafana, ELK Stack, Rapid7, Cloudflare, Linux Hardening, Secure CI/CD
- Infrastructure as Code (IaC): Terraform, Ansible
- Proficiency in AI tools like Cursor, ChatGPT, Kiro and Claude Code
- Programming & Scripting: Python, GoLang, Java, C++, Bash, JavaScript, PHP
- Other: Git, Terraform, Elastic Stack, Cisco CCNA, DevSecOps practices, Threat Analysis

Education

Master of Information Technology

February 2023 - February 2025

University of Technology Sydney (UTS) - WAM: 90.50

- 1st place UTS Techfest 2023 - AI Hackathon, Google Cloud Marathon
- Completed UTS SecOps Bootcamp with ThreatDefence
- VC's Scholarship & Dean's List 2024 Achieved

Projects

- Created CI/CD on a government project, providing a central payment gateway between banks
- Deployed and maintained 200+ lambdas across different environments dev, sit, uat, demo and production including Twilio for SMS, api-emailer, AI chatbot, Equifax, Zignsec etc.
- GitHub Link: <https://github.com/shohagrana64>

Working Rights

- Full Working Rights with No Restrictions

References

- Available Upon Request