

MOHAMED ADHNAAN J M

DevSecOps Engineer

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PROFILE

DevSecOps Engineer building secure, scalable systems from code to cloud. Specialises in full-stack development, CI/CD pipeline design, SAST, cloud security, and intelligent automation for SaaS, Web3, and AI teams. Embeds security at every layer so teams ship fast with confidence. Open to remote opportunities.

EDUCATION

B.E. Computer Science and Engineering

Adhiyamaan College of Engineering, Hosur

CGPA: 7.8 / 10.0

Expected: 2027

CORE EXPERTISE

■ Secure Full-Stack Development

End-to-end web apps with protected branches, dependency scanning, and least-privilege architecture from the first commit.

■ SAST & Vulnerability Scanning

Automated static analysis across code, containers, and dependencies — Semgrep, Snyk, Trivy, Bandit.

■ Observability & Monitoring

Prometheus, Grafana, and OpenTelemetry dashboards that surface issues before users notice them.

■ DevSecOps Pipeline Design

CI/CD pipelines that sign artifacts, gate releases on critical CVEs, and trace every build to production.

■ Cloud Security & IaC

Least-privilege infra with Terraform, tfsec, Checkov, and Sentinel. Auditable, encrypted, drift-free.

■ Threat Modelling & Consulting

STRIDE threat modelling and secure code reviews — security theory turned into decisions teams act on today.

FEATURED PROJECTS

AEGISCORE

github.com/BYTEGUARDIAN14/AEGISCORE

Prometheus Grafana Ollama On-Premise AI

- On-premise AI security platform correlating findings across 5+ data sources with zero data egress.
- Forecasts organisational risk and auto-drafts AI-powered remediation suggestions.
- Built fully air-gapped — suitable for enterprise environments with strict data residency.

SAST Pipeline

github.com/BYTEGUARDIAN14/SAST-PIPELINE

GitHub Actions Semgrep Flask Automation

- Fully automated security scan triggered on every GitHub push — zero unscanned merges to main.
- Reduced manual security review effort by ~70% through structured, actionable reporting.
- Gates releases on critical CVEs before code reaches staging.

ByteGuardX

github.com/BYTEGUARDIAN14/ByteguardXv4

Flask PyTorch Rust AI

- Next-gen AI security engine detecting vulnerabilities across entire codebases using deep learning.
- Combines Rust-powered static parsing with PyTorch models trained on 10,000+ labelled samples.
- Multi-language support with high-accuracy detection across Python, JS, and Rust codebases.

LITGAME — Luxury In Taste

luxuryintaste.com

React Node.js MongoDB Full-Stack

- Production full-stack website for a startup with SEO-optimised, performant interface.
- Achieved sub-2s page load times; implemented JWT-secured least-privilege API endpoints.
- Drove brand's complete online presence from zero — design, build, and deployment.

TECHNICAL SKILLS

Languages & Frameworks

JavaScript ES6+, TypeScript, Python, Rust, HTML5, React, Next.js, FastAPI, Flask, Node.js

UI Libraries

Tailwind CSS, Framer Motion, GSAP, Material UI, Chart.js, Bootstrap

DevSecOps Tools

GitHub Actions, GitLab CI/CD, Docker, Kubernetes, Semgrep, Snyk, Trivy, Prometheus, Grafana, Jenkins

IaC & Policy-as-Code

Terraform, Terragrunt, Ansible, Checkov, tfsec, Terrascan, Sentinel, Regula, Conftest

Team Practices

pre-commit, Conventional Commits, Code Owners, Branch Protection, STRIDE Threat Modelling