Mohamed Adhnaan J M

DevSecOps Engineer — Building, Securing & Automating Software Pipelines

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PROFESSIONAL SUMMARY

DevSecOps Engineer with comprehensive expertise in secure SDLC, CI/CD automation, containerization, Kubernetes administration, and cloud security. Proven ability to embed security controls across development pipelines, from code review to production deployment. Skilled in building automated, verifiable build pipelines using GitHub Actions, Terraform, Docker, and SLSA/SSDF frameworks. Experienced in developing AI-powered security solutions and vulnerability scanning platforms.

TECHNICAL SKILLS

DevSecOps & CI/CD: Git, GitHub, GitLab, Bitbucket, GitHub Actions, GitLab CI/CD, Jenkins, Argo Workflows, Tekton, pre-commit hooks

Security & Compliance: Secure SDLC, SLSA, SSDF, vulnerability scanning, code analysis, threat modeling, ethical hacking

Cloud & Infrastructure: AWS, Terraform, Terragrunt, Ansible, Packer, Infrastructure as Code, cloud security, least privilege

Containerization & Orchestration: Docker, Kubernetes, container hardening, network isolation, minimal images

Policy & Scanning: Checkov, tfsec, Terrascan, Regula, Conftest, Sentinel, static/dynamic analysis

Development: Python, Flask, JavaScript, TypeScript, React, Next.js, Node.js, .NET, REST APIs

Frontend & UI: HTML5, CSS3, Tailwind CSS, Material UI, Framer Motion, GSAP, Chart.js

AI & ML: PyTorch, AI model integration, automated remediation, code quality analysis

Tools & Practices: Linux administration, commitlint, Conventional Commits, branch protection, code owners

PROFESSIONAL EXPERIENCE

Founder & Lead Developer
byteaegis
June 2025 – Present
Hosur, Tamil Nadu, India

- Founded cross-platform vulnerability scanning and code analysis platform integrating AI to identify, explain, and remediate security issues in real time
- Architected full-stack platform using Python (Flask), React, and secure AI models for offline-capable security scanning
- Designed and implemented advanced static and dynamic code scanning algorithms with AI-powered vulnerability detection
- Built modular plugin ecosystem extending scanning capabilities across cloud, web, API, and DevSecOps environments
- Integrated Git-based workflows with pre-commit hooks enabling real-time secure coding practices
- Led UI/UX design implementing modern glassmorphic interfaces for enhanced developer experience
- Managed deployment, performance optimization, and scalability planning for enterprise-grade platform
- Collaborated with ethical hackers and security professionals to validate scanning accuracy and expand capabilities

Game Frontend Developer
Luxury In Taste (LIT)
September 2025 – November 2025
Hosur, Tamil Nadu, India

- Developed responsive frontend for gaming platform using React, Tailwind CSS, and Framer Motion
- Implemented interactive UI components and animations to enhance user engagement

Ethical Hacker (Training)
Academy of Skill Development
June 2025 – July 2025
India

- Completed comprehensive ethical hacking certification program covering penetration testing and security assessments
- Gained hands-on experience in vulnerability identification and security threat mitigation

KEY PROJECTS

ByteGuardX | *Flask, PyTorch, Rust, Plugins*   2025
- Developed next-generation AI security engine for detecting and resolving vulnerabilities across entire codebases
- Implemented machine learning models using PyTorch for intelligent threat detection and automated remediation
- Built high-performance backend components in Rust for optimized scanning operations

SurakshaPath | *React, Tailwind CSS*   2025
- Created digital disaster-readiness platform transforming safety guidelines into interactive learning experiences
- Built virtual drill simulations and real-time alert systems for educational institutions
- Deployed live at byteguardian14.github.io/suraksha-path

EDUCATION

Adhiyamaan College of Engineering   Hosur, Tamil Nadu, India
Bachelor of Engineering in Computer Science   *August 2023 – June 2027*

Vailankanni Matriculation Higher Secondary School   Tamil Nadu, India
Higher Secondary Education   *June 2021 – March 2023*

CERTIFICATIONS

Ethical Hacker Certification – Academy of Skill Development (July 2025)