SAHAN CHAMOD

DEVSECOPS ENGINEER · CYBERSECURITY RESEARCHER · SECURITY ENGINEER

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PROFESSIONAL PROFILE

DevSecOps Engineer and Cybersecurity Researcher with a Computer Science background and full-stack software engineering experience. Focused on secure software delivery, application and infrastructure security, cloud security, security automation, penetration testing, vulnerability research, and security engineering. Hands-on experience across CI/CD security, AWS/Azure, Docker, Kubernetes, source-code review, web application security, Linux, reverse engineering, and offensive security. Active in bug bounty programs and international Capture The Flag competitions, with an accepted and validated vulnerability report in NASA's Vulnerability Disclosure Program (2026) and a Black Hat MEA CTF 2026 Global Top 150 finish as a finalist.

PROFESSIONAL EXPERIENCE

Port City BPO — DevSecOps Engineer | April 2026–Present

- Integrate security practices into software development, CI/CD, deployment, and operational workflows.
- Work across secure CI/CD, cloud and containerized environments, application security, security testing, and operational security.
- Apply DevSecOps and security engineering principles to identify, assess, and reduce application and infrastructure risks.
- Support security automation, source-control workflows, deployment practices, and secure engineering processes.

Freelance — DevSecOps & Cybersecurity Consultant | 2025–2026

- Provided consulting support across DevSecOps, application security, cloud security, vulnerability assessment, and secure software delivery.
- Advised on CI/CD security, container security, security testing, source-code review, deployment security, and practical risk reduction.
- Supported development and engineering teams in applying secure-by-design practices and security-focused automation.
- Worked across software engineering and cybersecurity requirements to strengthen application and infrastructure security.

Adventa Holdings — Junior Full-Stack Software Developer | 2023–2024

- Implemented RESTful backend services using Node.js/Express and Python; optimized MySQL queries and used AWS/Azure services, contributing to a reported 20% reduction in average API response time.
- Built React components and integrated frontend applications with backend APIs.
- Developed AI bots and automated workflows using no-code platforms such as Bubble.io.
- Maintained feature branches, participated in pull-request reviews, supported unit testing and CI/CD workflows, and assisted with production deployments and troubleshooting.

Adventa Holdings — Internship, Full-Stack Software Developer | 2022–2023

- Developed RESTful APIs using Node.js/Express and Python, optimized MySQL queries, and deployed services on AWS/Azure.
- Built React components and integrated frontend applications with backend APIs.
- Supported testing, CI/CD workflows, deployments, troubleshooting, AI bots, and automated workflows.

CYBERSECURITY & BUG BOUNTY EXPERIENCE

- **NASA Vulnerability Disclosure Program (2026):** submitted a vulnerability report that was **accepted and validated** by NASA through its official Vulnerability Disclosure Program.
- **Bug Bounty Researcher — Bugcrowd & HackerOne | 2022–Present:** security research and responsible vulnerability disclosure across web applications and technology platforms.
- Conduct web application security testing, vulnerability research, reconnaissance, source-code analysis, and security validation within authorized programs.
- Security research interests include web application vulnerabilities, authentication and authorization, injection vulnerabilities, infrastructure security, Linux security, reverse engineering, and applied cryptography.

COMPETITIVE CYBERSECURITY ACHIEVEMENTS

- **Black Hat MEA CTF 2026 — Global Top 150 & Finalist:** achieved a top-150 global placement and qualified as a finalist in the Black Hat MEA CTF event, with the finals held in Riyadh, Saudi Arabia.
- **Hack The Box Cyber Apocalypse 2026 — Global Rank #45:** competed as part of a team that achieved 45th place globally among 6,744 teams.
- **NASA Vulnerability Disclosure Program 2026 — Accepted & Valid Report:** vulnerability report validated and accepted by NASA.
- **CTF & Offensive Security:** active participation in Hack The Box, TryHackMe, PicoCTF, and other cybersecurity challenges covering web security, OSINT, digital forensics, cloud security, Active Directory, reverse engineering, and exploitation.

EDUCATION

BSc (Hons) Computer Science (Software Engineering) — Kingston University | 2024–2025

Major: Web and Mobile • Minor: Machine Learning

Higher National Diploma in Computing | 2022–2024

Major: Software Development and Database • Minor: Computer Science

Diploma in Information Technology | 2019

TECHNICAL SKILLS

DevSecOps / Cloud: AWS, Azure, Docker, Kubernetes, Git, GitHub Actions, CI/CD, secure software delivery, container security

Cybersecurity: Web Application Security, Penetration Testing, Vulnerability Assessment, OWASP, Threat Modelling, Network Security, Security Testing, Reverse Engineering

Security Tools: Burp Suite, Nmap, Wireshark, Linux, Git, source-code review, security-focused CI/CD

Programming: JavaScript, TypeScript, Python, C#, PHP

Backend / Data: Node.js, Express, Laravel, MySQL, MongoDB, Firebase

Frontend / Mobile: React, Angular, Flutter

Testing: Jest, Mocha, Cypress, Selenium, Integration Testing, TDD

SELECTED PROJECTS & RESEARCH INTERESTS

Network Traffic Analysis & Intrusion Detection — Wireshark, Python, ML; designed an ML-based malicious-activity detection system.

Dyslexia Support Mobile App — Flutter, Firebase, TensorFlow Lite; developed an ML-powered literacy support application.

School Management System — Angular, Node.js, MySQL; administrative platform tested by 100+ users.

Security Research — Web application security, vulnerability discovery, Linux binary exploitation, secure infrastructure, cryptography, threat modelling, and DevSecOps security automation.

CERTIFICATIONS, PLATFORMS & LANGUAGES

HackerRank Python (2023) • HackerRank Angular (2023) • TryHackMe (2022–2024) • PicoCTF (2022–2024) • Hack The Box • Bugcrowd • HackerOne

English — Fluent • Sinhala — Native Proficiency