

SOURADIP GHOSH

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I am an experienced Application Security Engineer with 6.9 years of industry experience in telecom and healthcare. Professional expertise includes DevSecOps, vulnerability analysis, secure code writing, and application development.

EXPERIENCE

10/2022 – PRESENT

SecDevOps Engineer, TELSTRA INDIA PRIVATE LIMITED

- Added different security tools to the Bamboo pipelines.
- Provide support to developers regarding Coverity SAST Software

10/2021 – 10/2022

DevSecOps Engineer, MEDLY SOFTWARE SYSTEMS

Medly is a US-based full-service, digital pharmacy that offers free prescription delivery for all types of medications.

- Kickstarted and led the AppSec team at Medly
- Evaluated and integrated security tools and automated checks into CI/CD pipeline
- Initiated Threat Modelling (STRIDE) at the organizational level
- Kickstarted Medly's Security Champions Program
- Performed vulnerability analysis & secure code review for micro-services (Kotlin+Micronaut), web-applications (React+TypeScript), Medly's iOS application
- Defined and enforced security & license process/policy for the entire engineering department
- Performed HIPAA compliance checks for different products

08/2016 – 10/2021

Security Compliance Engineer, TORRY HARRIS INTEGRATION SOLUTIONS

Torry Harris is a top digital transformation agency specializing in integrating enterprise assets to build meaningful digital ecosystems.

- Evaluated and integrated security tools like Acunetix Web Application Security Scanner and WhiteScout for scanning Torry Harris products and integrated with SDLC
- Performed VAPT and GDPR checks on several products
- Found a Billion Laughs DOS attack on different THBS products and helped to mitigate it
- Found vertical privilege escalation leads to entire application takeover vulnerability in API management application and fixed it
- Trained team members about OWASP Top 10 vulnerabilities and mitigation techniques
- Nominated to be the team representative for all GDPR compliance activities
- Designed, developed, and maintained almost 75% of the UI
- Designed and implemented Content Security Policy (CSP) for the product including the phased upgrade of jQuery and Semantic UI libraries

- Redesigned and implemented one of the portals of the application as entirely responsive

EDUCATION

2012-2016

B.E. IN ELECTRICAL AND ELECTRONICS ENGINEERING, SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY, BANGALORE

B.E. in Electrical and Electronics Engineering with an aggregate of 71%

- Ranked 7th in Shell Eco-Marathon Asia 2015, Manila
- Quarterfinalist in Texas Instruments Innovation Challenge 2015, India

2010-2012

HIGHER SECONDARY EDUCATION, BIRBHUM ZILLA SCHOOL, WEST BENGAL

Higher Secondary with an aggregate of 86%

2008-2012

SECONDARY EDUCATION, BIRBHUM ZILLA SCHOOL, WEST BENGAL

Secondary with an aggregate of 90%

SKILLS

- Application Security, DevSecOps
- GitHub Enterprise Security
- Threat Modelling, STRIDE
- OWASP top 10
- DAST, SAST & SCA
- Security Champion
- Penetration Testing
- Microservices
- GDPR, HIPAA & SoC2
- JavaScript, HTML5, CSS3, AJAX

TOOLS

- Snyk
- GitHub Enterprise
- Semgrep
- TruffleHog
- OWASP ZAP
- Burp Suite Professional Edition
- Coverity SAST Software
- Vanta
- Acunetix Web Application Security Scanner
- Mend (formerly WhiteSource)
- Kali Linux
- NMAP & ZENMAP
- Eclipse IDE, VS Code, IntelliJ IDEA

OPENSOURCE PROJECTS

snyk-job-summary-action

- This action creates a finding summary and an HTML report for Snyk GitHub Actions
- <https://github.com/medly/snyk-job-summary-action>

JSON-XML Things

- JSON-XML Things is a validator, reformatted, and converter for JSON & XML, this javascript-based application processes all the data locally. Copy and paste or directly type and let JSON-XML Things tidy and validate your messy JSON/XML code.
- <https://github.com/souro1212/JSON-XML-things>

github-action-import-snyk-projects

- This GitHub Actions workflow automatically imports GitHub repositories to Snyk, a security platform that helps developers find and fix vulnerabilities in their code.
- <https://github.com/souro1212/github-action-import-snyk-projects>

Check-JIRA-in-PR

- This GitHub action checks if a valid JIRA ticket ID exists in the commit message of a pull request. It uses Atlassian JIRA APIs to authenticate and search for the JIRA ticket ID in the pull request title.
- <https://github.com/souro1212/Check-JIRA-in-PR>

INTERESTS

- Aquarist
- InfoSec Enthusiast
- Cycling

LANGUAGES

- Bengali
- English
- Hindi