



IIT Madras
ONLINE DEGREE

Application Security Engineer | Tech Enterprises

The Application Security Engineer will be responsible for integrating security into the development of ABC's applications. The Application Security Engineer will work closely with the product and software development team to threat model, vulnerability scan, and pen test the early software, system, and network architecture and identify required control points in the application stack. The Application Security Engineer will also work closely with developers to diagnose, document, and remediate application security vulnerabilities. The Application Security Engineer will also be responsible for evaluating, recommending, and implementing application security related software in an automated continuous integration/deployment environment.

Primary duties:

- Work closely with application development and QA teams to help formulate and implement a strategy for software security that is tailored to the specific risks facing the organization, including threat modelling and applications security advisement services.
- Conduct application security assessments / penetration tests and implement tools for dynamic/automated code reviews
- Ensure application design and implementation best-practice with role-based and appropriate access standards, as well as integration with Identity and Access Management environments.
- Ensure compliance with society, regulatory, and industry standards for application security.
- Continuously evaluate the organization's existing application security practices, define and measure security-related activities, and demonstrating concrete improvements to the application assurance program within the organization.
- Conduct code reviews and penetration testing
- Develop and maintain unit and integration tests designed to ensure security controls are tested on every build

Primary and Secondary Skills Requirements:

- Primary Skills: Development language - Java development, JavaScript, Python, Ruby, C++/C#, Perl Application Security etc.,
- Secondary Skills: Security penetration testing tools - Metasploit, w3af,Blackduck,Veracode & burp suite (any one or two)
- Other Skills: Jenkins, Pivotaltracker, Cloud Foundry ,AWS

Position Requirements:

- Bachelor Degree in Engineering.
- CEH, GSEC, GIAC certification preferred.
- A strong understanding of application security frameworks
- 5 years' experience in application development and security.
- Practical understanding and use of commercial application security tools
- Must be fluent in write technical reports based on findings.
- Proficient with development languages including Java, Python, Ruby.
- Strong self-starter who has the ability to operate independently.
- Excellent oral/written presentation skills with ability to communicate effectively with senior executive leadership; proficiency in preparation of presentations, analytical reports, and documents regarding program operational status, achievement and performance.
- Understanding and passion for Agile/XP/Scrum/Kanban is preferred
- Understanding of Test-Driven Development built on User Stories

What we offer you

Tech Enterprises will offer you an inviting workplace, talented colleagues from diverse backgrounds, career path, and steady growth prospects with great scope to innovate. Our goal is to create an ecosystem of easily configurable data applications focused on storytelling for public and private use.

Contact us to apply

Hiring manager: XYZ ABC

Send your resume to: xyz@techenterprises.com