

Vikas Sangwan

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SUMMARY

Highly skilled and detail-oriented Security Engineer with extensive experience in vulnerability assessment, application security testing, and security architecture, expertise in building efficient and scalable Full Stack applications.

TECHNICAL SKILLS

Languages: JavaScript, Typescript, Java, Python, SQL (Postgres), HTML/CSS.

Security Testing: Vulnerability Assessment, SAST, DAST, API Security Assessment

Security Tools: OWASP ZAP, Burp Suite, Nessus, SonarQube.

DevOps: Integration of security practices in CI/CD pipelines [terraform, vault, consul]

Security Standards: OWASP Top 10, NIST

Frameworks: Angular, React, Django, Bootstrap, Material-UI.

Developer Tools: GitLab, AWS, Docker, Google Cloud Platform, CI/CD, Visual Studio, PyCharm, Eclipse, Nexus

Other: Single-SPA js, MicroServices architecture, Rest API, PostgreSQL, Object oriented programming, DSA, Linux.

EXPERIENCE

Software Engineer

Sep 2022 – Present

Detect Technologies Pvt Ltd

chennai

- Conducted comprehensive security assessments including Vulnerability Assessment (Nessus, Tenable), SAST (ESLint, SonarQube, GitHook), DAST (OWASP ZAP, Burp Suite), and API Security Assessment (Postman, OAuth implementation) to identify and mitigate vulnerabilities.
- Collaborated with development, DevOps, and operations teams to integrate security best practices throughout the SDLC, ensuring proper management of secrets like passwords, API keys, and certificates.
- Utilized various tools to identify and assess OWASP risks within applications and infrastructure, validating and addressing findings from static and dynamic analysis tools.
- Performed security reviews of code, design, and architecture, and conducted configuration assessments for encryption and key rotation anomalies.
- Documented software system security requirements, recommended solutions, and provided technical expertise in secure coding practices and security architecture.
- Worked in a software development team to design and develop robust solutions to meet client requirements for functionality, scalability, and performance.
- Developed a full-stack web application using Angular, Django, PostgreSQL, and AWS.
- Coordinated with other engineers to evaluate and improve software interfaces.
- worked in organizing and managing all phases of the software development lifecycle process, design, build, testing.

Internship Front-end Developer

Dec 2021 – Jun 2022

Paisaat

Remote

- Developed the website according to the given requirements.
- Contributed ideas and suggestions in team meetings and delivered updates on deadlines, designs and enhancements.
- Technical Stack Used: HTML, CSS, JavaScript, Adobe-InDesign, Adobe-Illustrator

PROJECTS

Micro-Frontend Architecture (T-Pulse)

- Implemented Micro-Frontend Architecture. (Using Single-SPA js)
- Convert existing modules into several MicroFrontends.
- Set-up and developed Web/UI using Angular Framework.
- Integrated API with the UI screens to provide functionality.
- Integrated AWS Cognito for Identity Management.
- Converted reusable components into downloadable libraries/packages and hosted them in a Repository manager. (NEXUS OSS).
- Technology used Angular, Django, Typescript, Html, CSS, JavaScript, BootStrap, Single-SPA js, Microservices Architecture .

Admin Management [\[Link\]](#) [\[GitHub\]](#)

- Simple Admin Management app to track down resources and increase user productivity.
- Tech stack used: React, CSS, TypeScript, Bootstrap

EDUCATION

Acharya Institute of Technology	Bengaluru, Karnataka
Bachelor of Engineering in Information Science and Engineering	Aug. 2018 – July 2022
Overall CGPA: 8.0/10	
K.L.E PU college	Bengaluru, Karnataka
Senior Secondary(XII) State Board	2018
Overall Percentage: 81/100	
Shree Ram Public School	Bengaluru, Karnataka
Secondary(X) CBSE Board	2016
Overall CGPA: 9.8/10	

Certification

Architecting with Google Compute Engine Specialization (5 Courses)

- Manage implementations of cloud architecture.
- Develop and manage APIs to build new applications and connected experiences.