Vikas Sangwan

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SUMMARY

Experienced Software Developer with expertise in designing and implementing secure, user-friendly web applications. Proficient in front-end technologies, cybersecurity principles, and secure coding practices. Skilled in JavaScript,Python, HTML, CSS, and modern frameworks such as Angular and React and NodeJs.

TECHNICAL SKILLS

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

Security Testing: Vulnerability Assessment, API Security Assessment

Security Tools: OWASP ZAP,, Nessus.

DevOps: Integration of security practices in CI/CD pipelines

Security Standards: OWASP Top 10, NIST

Frameworks: Angular, React,Node.js, Django, BootStrap, Material-UI.

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

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

EXPERIENCE

Software Engineer   Sep 2022 – Present

Detect Technologies Pvt Ltd (IIT Madras)   *Remote/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 (**SOLID, DRY, KISS, TDD**) throughout the **SDLC**, ensuring proper management of secrets like passwords using vault, API keys, and certificates.
- Utilized various tools to identify and assess **OWASP top 10** 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.
- Designed and developed secure web applications using Angular , **Python** , and **NodeJs**.
- Integrated security measures such as input validation, encryption, and authentication into UI components.
- Developed responsive and user-friendly web interfaces using HTML, CSS, and FrameWorks.
- 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.
- Worked in an **agile** environment, participating in **JIRA-sprints** and daily stand-ups.

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 and 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.