Sri Gudibandi

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SUMMARY

Software Engineer with 6 years of experience in secure software development, production support, and automation. Proven expertise in building scalable web applications and enhancing system performance, with a focus on security and data management. Recognized for delivering robust, user-focused solutions. Seeking a job as a Software Engineer or a Security Engineer.

PROFESSIONAL EXPERIENCE

Security and Product Development Engineer Intern | Stiisk LLC, Boston, MA   **August 2024 - Present**
- Developing secure UI and dynamic web application using JavaScript and Firebase, ensuring seamless user interaction.
- Designed and deployed multiple Google Cloud Run functions to integrate Stripe for payments, enhancing transaction reliability and automating webhook processing.
- Conducting comprehensive risk assessments and implemented security protocols using SonarQube, focusing on identifying and mitigating code vulnerabilities.

Software Engineer | Capgemini, India   **January 2021 - July 2022**
- Administered and monitored over 3000 Informatica jobs using AutoSys, ensuring accurate and timely data processing for critical business reports delivered via Tableau by working with the Cross-Functional team.
- Provided L1 and L2 production support using ServiceNow for Incident Management, achieving a 99% success rate in resolving critical job failures within SLA while ensuring uninterrupted execution of workflows and batch processes.
- Managed production servers, overseeing complex data flows from upstream systems through Informatica workflows, and upheld data integrity by proactively managing job executions and preventing data corruption.
- Led weekend recovery operations, successfully restoring 2 to 3 million records of lost data using Microsoft SQL Server, IBM DB2, PostgreSQL and executed necessary bash scripts alongside Informatica jobs.

Data Manager | Global Child Prodigy Awards, India   **January 2017 - December 2020**
- Designed and optimized data management systems by implementing relational databases using MySQL and PostgreSQL, ensuring efficient handling of sensitive VIP data.
- Developed and automated ETL pipelines using Python to extract VIP data from multiple sources, transform it into a standardized format, and load it into relational databases, reducing data processing time by 40%.
- Designed and deployed interactive dashboards with Tableau, delivering actionable business insights and enabling data-driven decision-making for leadership.

SKILLS

Languages:	Python, C++, MySQL, JavaScript, HTML, CSS, React, Node.js, Express.js, Firebase.
Tools & Platforms:	Splunk, SonarQube, OWASP ZAP, Nessus, Unix/Linux, Git, GitHub Actions, Pivotal Tracker, Informatica, Tableau, PostgreSQL, Microsoft SQL Server.
Certifications:	CompTIA Security+ (SY0-701), Google Cybersecurity Professional.

PROJECTS

Secure Development of You.Social | SonarCloud, OWASP ZAP, GitHub Actions, Crypto APIs | srinikhil0/you_social_763
- Enhanced security for user authentication and input validation using PHP and MySQL, implementing prepared statements to prevent SQL injection and XSS vulnerabilities.
- Conducted Static and Dynamic Application Security Testing (SAST & DAST) using SonarCloud and OWASP ZAP, reducing critical vulnerabilities by 78%.
- Integrated PHPMailer and Crypto APIs for email verification, ensuring secure user registration and account recovery.

PawsitiveID | Angular, Flask, MobileNet, EfficientNet, Firebase, GitHub, Pivotal Tracker | PawsitiveID
- Designed and developed an intuitive UI/UX using Balsamiq for wireframing and Angular for frontend development, enabling users to seamlessly upload images and receive detailed dog breed analysis reports.
- Implemented machine learning models including MobileNet and EfficientNet, achieving 89% accuracy in identifying dog breeds from uploaded photos, with the ability to detect over 120 breeds.
- Deployed the application on Firebase, ensuring robust real-time data handling and scalability, optimizing system performance to significantly enhance user experience.

EDUCATION

MSC - Computer Science, Security (GPA: 3.54) | Boston University, Boston, MA.
BE - Computer Science and Engineering | SIST, India.