Raymond Tan

Cybersecurity Specialist | Software Engineer

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OBJECTIVES

Results-driven cybersecurity professional aspiring to leverage expertise in threat analysis and vulnerability management to safeguard organizational assets. Dedicated to applying a proactive approach in identifying and mitigating security risks while continuously expanding knowledge in the latest cybersecurity practices.

TECHNICAL SKILLS

Tools & Technologies: Wireshark, Metasploit, Splunk, Nmap, Kali Linux, Burp Suite
Programming Languages: Python, Javascript, Ruby, Bash, Powershell
Frameworks & Methodologies: NIST Cybersecurity Framework, ISO 27001, OWASP Top 10, MITRE ATT&CK, CIS Controls
Areas of Expertise: Incident Response, Vulnerability Assessment, Penetration Testing, SIEM Operations

CERTIFICATIONS & EDUCATION

CompTIA Security+ (SY0-701) October 2024
Demonstrates a solid foundation in network security, threats, vulnerabilities, and risk management.
App Academy Nov 2023
An intensive 16-week, 1,000-hour Immersive full-stack software engineering boot camp with less than a 3% acceptance rate.
San Francisco State University, B.S., Accounting May 2020

PROJECTS

Hack The Box Challenges: Dec 2024 - present

- Solved 50+ CTF challenges, honing penetration testing and vulnerability assessment skills.

hitchHype, *Full Stack Developer/Backend Lead* - MongoDB | Express.js | React | Node.js Live | GitHub Repo
A long-distance carpooling application connecting drivers and riders to save on gas money and reduce carbon emissions.

- Implemented **secure authentication and authorization protocols** using BCrypt, Passport.js, and JWT, effectively protecting sensitive user data and access rights.
- Designed robust database schemas and **enforced data validation rules**, safeguarding against injection attacks and ensuring secure data storage and access control.
- Led backend security by creating RESTful API routes in Mongoose and Express.js **following OWASP guidelines**, optimizing secure data management and enhancing app security.

Amuhzaan, *Full Stack Developer* - React | Ruby on Rails | Redux | PostgresSQL Live | GitHub Repo
Full-stack clone of Amazon that allows a user to browse, purchase, and review products.

- Developed a responsive cart item feature in React and Ruby on Rails, enabling effortless quantity adjustments and dynamic input type for quantities exceeding nine, significantly improving the user experience by providing intuitive control over desired quantities.
- Employed Redux's single-state architecture in conjunction with React's modular components to centralize and manage the application's state, resulting in a highly responsive and uniformly consistent user interface.
- Leveraged JBuilder to architect pipelines that took advantage of Rail's eager loading capabilities to fetch necessary data for the front end into one response, effectively reducing N+1 queries on a PostgreSQL database.

EXPERIENCE

Legal Administrative Specialist Nov 2023 - Present

U.S. Citizenship and Immigration Services (USCIS)

- Verify identities and securely manage sensitive information during intake and scheduling, ensuring strict compliance with data protection protocols.
- Redact Personally Identifiable Information (PII) in external communications, maintaining secure responses to 50+ public inquiries daily and reducing data exposure risks.
- Escalate high-risk cases and sensitive issues to supervisors, enforcing access control measures and supporting risk management in line with federal security standards.

Tax Associate Jan 2022 - Oct 2022

CBIZ (formerly known as Marcum LLP)

- Researched and shared insights on tax legislation and software functionalities with colleagues by delivering informative presentations, increasing the productivity of attendees by 20%.
- Executed meticulous error-checking procedures, such as data entry validation and cross-referencing financial documents using tax softwares such as CCH Axcess, yielding a 15% reduction in calculation errors.