CESAR GUTIERREZ

INFORMATION TECHNOLOGY SPECIALIST – APPLICATION SECURITY SPECIALIST

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EDUCATION

BACHELOR OF SCIENCE IN COMPUTER SCIENCE, 2023
California State University Fullerton, CA

WORK EXPERIENCE

STATE OF CALIFORNIA FRANCHISE TAX BOARD, SACRAMENTO, CA, FEBRUARY 2024 TO PRESENT
APPLICATION SECURITY SPECIALIST
- Plan, prepare, perform, and evaluate vulnerability scans of FTB applications using FTB's application security tool suite to identify security vulnerabilities that are in violation of FTB policy and put FTB critical assets at risk. The suite includes software from PortSwigger (Burp Suite) and various tools from Offensive Security (Kali Linux).
- Perform detailed technical analysis of vulnerabilities identified and provide detailed reports to developers and other technical staff for remediation according to industry best practices and guidelines including OWASP Top 10, OWASP Testing Guide, and NIST
- Perform on-going compliance monitoring to ensure all application security vulnerabilities have been addressed according to set policy and timeframes.
- Perform post implementation assessments to ensure that application security requirements are in place
- Perform code and configuration security reviews, such as C#/VB.NET, Java and JavaScript.
- Communicate effectively in writing and verbally as a departmental technical resource for all matters related to application security.
- Perform yearly follow-up audits of applications to ensure security technical requirements remain in place, and provide detailed technical findings as required.
- Assist in improving the security posture capability by researching technical threat areas; developing information security assessment methods and techniques; and providing information, solutions and training for preventing, detecting, and responding to threats and vulnerabilities.
- Stay abreast of cyber-terrorism threats to FTB's information resources and from activities related to unauthorized intrusion attempts and misuse of system resources.
- Perform as an Information Security consultant for risk analysis and assessments of network and mainframe infrastructures, applications and programs, in support of departmental projects.

AMAZON SOFTWARE COLLABORATIVE, FULLERTON, CA, JANUARY 2023 TO MAY 2023
UI/UX DESIGN INTERN
- Collaborated on the development of a website catering to the needs of 10 individuals with disabilities, focused on generating reviews on business disability compliance.
- Implemented coding for 5 successful unit tests, measured against use cases, using the Robot Framework with the Selenium Library.
- Leveraged MongoDB, Express, React, and Node.js technologies to ensure seamless functionality aligned with user expectations.
- Conducted user interviews and collected feedback to assess user needs, shaping the design process, and presented Figma designs, needs statements, a stakeholder map, and user requirements/specifications to ensure a user-centric approach in line with regulatory compliance.

TITAN RADIO, FULLERTON, CA, JANUARY 2023 TO MAY 2023
FRONTEND WEB INTERN
- Contributed to the creation and development of a web music player, catering to the needs of 103 student DJs, by integrating HTML, CSS, JavaScript, and API technologies.
- Ensured the alignment of the music player with user expectations and regulatory requirements.
- Performed routine maintenance of the website by refactoring modules and updating DJ data and managing system updates while adhering to applicable laws, regulations, and policies.
- Acquired hands-on experience in researching and integrating new frontend components, demonstrating a commitment to remain current on industry advancements and incorporating innovative features in line with system requirements.

SKILLS

Programming Languages: JavaScript, TypeScript, HTML, CSS, Python, C++, SQL, Java
Libraries & Frameworks: React, Angular, Next.js, Gatsby, Tailwind, jQuery, FastAPI, Robot Framework, Selenium Library, Krakend
Tools & Platforms: Git, GitHub, Netlify, Vercel, WordPress, Figma