Priyanshi Mapara

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EDUCATION:

University of Wisconsin - Madison — **Madison, Wisconsin, USA**
Major: *Bachelor of Science* in Computer Science — **Graduated** May 2023
Scholarship Recipient: Maa Foundation (Merit-based Scholarship) - $14,000

SKILLS:

Java • Python • JavaScript/Node.js • SQL • Docker • Redis • REST APIs • Swimlane SOAR • API Integration • AWS Cloud Security • Network & Host Security (Firewalls, IDS/IPS, Linux/Windows Hardening) • Secure Coding & Web Security • SIEM/EDR Platforms • Vulnerability Management • Version Control (Git) • Architecture Design • Data Structures & Algorithms

RELEVANT COURSEWORK:

Data Structures and Algorithms • Object-Oriented Programming • Operating Systems • Database Management System • Computer Architecture • Digital Logic Design • Machine Programming and Organization • Human-Computer Interaction • Artificial Intelligence • Building User Interface • Computer Graphics • Web Services API

WORK EXPERIENCE:

SECURITY ENGINEER II* - CHARTER COMMUNICATIONS, SPECTRUM** ***06/2024- Present Role

- Architected and deployed **enterprise-scale SOAR automation workflows** (using Swimlane) - integrated systems such as EDR/endpoint tools (e.g., CrowdStrike), CMDB (e.g., Cherwell), asset-inventory APIs, vulnerability platforms, and internal tooling to automate incident identification, enrichment, correlation, and escalation.
- Developed high-throughput data ingestion and enrichment pipelines (Python + REST APIs + JSON/XML parsing + rate‑limit handling) to deliver normalized asset, alert, vulnerability and threat data into the SOC ecosystem, enabling detection engineering and automated case creation.
- Led migration of SOAR applications and associated infrastructure into cloud environment (AWS) - responsible for environment readiness, secure configuration, testing of workflow scalability and resiliency across fault domains.
- Crafted backend services, custom connectors, and microservices to support automated remediation actions (e.g., endpoint containment, patch orchestration, privilege revocation) - improving mean time to remediation (MTTR) and reducing manual triage burden.
- Designed and documented security-automation architecture: workflow maps, sequence diagrams, data flow diagrams, runbooks, troubleshooting guides and standard operating procedures (SOPs) - enabling both engineering and SOC teams to adopt and maintain the automation with clarity.
- Collaborated across detection engineering, threat intelligence, platform engineering, and SOC operations to define automation requirements, validate integration specifications, ensure data fidelity, and align to incident-response SLAs and enterprise security metrics.
- Maintained “infrastructure as code” or configuration-driven approach (where applicable) to version the automation workflows, enable CI/CD pipelines for security tooling, and ensure reproducibility and auditability.

ASSOCIATE SOFTWARE ENGINEER* - CHARTER COMMUNICATIONS, SPECTRUM** ***06/2023 - 06/2024

CYBERSECURITY COHORT:

- Developed and implemented a data management application to streamline cybersecurity processes.
- Orchestrated seamless data ingestion from diverse platforms, elevating data accuracy and operational efficiency.
- Gained hands-on experience in cybersecurity practices and procedures, contributing to the overall security infrastructure of the organization.
- Produced clear and concise documentation ensuring clarity and ease of reference for all team members.

IT SERVICE ACTIVATION COHORT:

- Spearheaded the development of a major integration feature, improving data management and system usability.
- Contributed to API integrations and UI development, supporting improved data management processes.
- Played a key role in backend development to support advanced application functionalities.
- Produced clear and concise documentation ensuring clarity and ease of reference for all team members.

TELEMETRY COHORT:

- Developed and maintained key internal applications to streamline operations and enhance efficiency.
- Actively participated in sprint planning and code reviews, ensuring effective team communication and timely project completion.
- Collaborated cross-functionally to initiate new telemetry projects and enhance existing internal systems.