JAKE KHAL

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LINKS

- https://jakekhal.github.io/
- linkedin.com/in/jake-khal
- github.com/JakeKhal/ Projects

SKILLS

- Python, Java, C, C++, HTML
- SQL querying & scripting
- Linux OS, Git Version Control, Flask Framework, LDAP & API Integration
- Microsoft Security, Entra ID, and Exchange
- Secure Software Development
- Customer Service
- Workflow Optimization
- Critical Risk Assessment
- Threat Intelligence Analysis

EDUCATION

Bachelor of Science
Computer Science

University Of Oregon

- 3.50 GPA
- Pathway Oregon Recipient
- Awarded Summit Scholarship by the University of Oregon
- Joseph E. Weston Public Foundation Scholarship

High School Diploma
La Salle Catholic College Preparatory -

Milwaukie, OR

- 4.1 GPA
- National Honors Society
- Computer Science Club Member

EXPERIENCE

University of Oregon Information Services; Eugene, Oregon

IT Security Student Analyst II, 06/2024 - Present

- Development Operations (DevOps) - Developed a security tool to assess account risk based on indicators of compromise (IoCs). Maintain and troubleshoot containerized systems that use Podman, Prisma, and Docker to ensure reliability and optimize performance.
- Designed and engineered a website to display user account info including IT tickets, mail sending limit, and last password change.
- Update and optimize security tools used at the Cyber Security Operations Center (CSOC), including regular maintenance and configuration file management, ensuring up-to-date threat protection and efficient system performance.
- Responded to and investigated DMCA complaints and copyright violations.
- Monitored and responded to phishing attacks, implementing proactive measures that successfully prevented 90% of potential user clicks. Also helped educate the public by engaging with the University of Oregon's Phish Tank program (phishtank.uoregon.edu).

IT Security Student Analyst I, 01/2024 - 06/2024

- Analyzed suspected phishing attempts for potential threats.
- Managed day-to-day ticket processing for incidents and vulnerable systems on campus network.
- Investigated alerts for potential security breaches such as compromised accounts.
- Supported fellow members of the CSOC in identifying and addressing security risks.
- Worked alongside cross-functional teams to resolve security incidents.
- Proficient in utilizing tools such as Microsoft Security and Azure, Elastic, Proofpoint, Jira, Apache Logs, and Confluence for effective cybersecurity operations.

Our Giving Table; Portland, Oregon

Volunteer & Website Developer, 01/2020 - Present

- Maintain and update the nonprofit's website (ourgivingtable.com) using the WordPress framework, improving navigation and usability for users—particularly donors—and increasing engagement with the organization.

PROJECTS

Project Bermuda (github.com/JakeKhal/Project-Bermuda)

- Developed a web-based system integrating authentication via Microsoft and user SSH key entry for a "hack the box environment" for the University of Oregon Cyber Security Club.
- Frontend contribution: Designed and structured the HTML pages to prioritize usability and functionality, incorporating user input to enhance the interface and overall experience.
- Backend Integration: Utilized Flask to connect the backend logic to the frontend, enabling secure authentication and dynamic handing of SSH key inputs.

Phishing Detection Extension (github.com/JakeKhal/PhishingDetectionExtension)

- Engineered the backend: Developed a Flask-based backend to process email content and coordinate API requests, ensuring consistent communication with the Chrome Extension's frontend.
- API integration: Utilized the ChatGPT API to analyze email content for phishing patterns and the VirusTotal API to evaluate URL safety, delivering a phishing confidence score (0-100) to users.
- User-focused design: Created the extension to simplify phishing detection for non-technical users, offering instant feedback.