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Sanzhar Yeleuov

Cyber Security Engineer

GitHub: yelsanya
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Cyber security engineer passionate about software security, network security and privacy. CTF enthusiast specialized in web, with experience in organizing and hosting internal CTF. Additionally I possess:

- Proficiency in developing scripts using Python and Bash
- Competence with security toolkits such as DefectDojo, SemGrep, Nuclei, RESTler and BurpSuite
- Experience in software security audit of code written in JavaScript (Node.js)

EDUCATION

Aalto University and NTNU Joint Master Degree in Security and Cloud Computing (SECCLLO) SEP 2022 — AUG 2024 (expected)
Master's of Computer Science
Aalto, Finland | Trondheim, Norway

- Erasmus Mundus Scholarship (top 5% of applicants of 2022)
- Related courses: Platform Security, Wireless Network Security, Cloud Computing, Information Security (Teaching Assistant)

Ulsan National Institute of Science and Technology (UNIST) SEP 2016 — AUG 2020
Bachelor of Computer Science
Ulsan, South Korea

- Global Unistar Scholarship

EXPERIENCE

Research Assistant JUN 2023 — AUG 2023
Aalto University
Espoo, Finland

- Conducted research on use cases and open source implementations of MACSEC

Security Testing Engineer OCT 2021 — SEP 2022
R-VISION
Remote/Moscow, Russia

- Customized security tooling (i.e. DefectDojo and RESTler) to allow integration
- Implemented security jobs using scripting languages (Bash, Python) and automated using Gitlab CI and Jenkins
- Integrated weekly API fuzzing using RESTler
- Involved in creation of custom rules/templates for vulnerabilities detection using static analysis tool (SemGrep) and scanner (Nuclei)
- Conducted periodic penetration tests of the products

Information Security Engineer DEC 2020 — AUG 2021
KazDream Technologies
Nur-Sultan, Kazakhstan

- Engaged in internal and external penetration tests for clients from private and government sectors
- Performed code security audits of company products

Research Assistant APR 2019 — JAN 2020
UNIST Computer Systems Security Lab
Ulsan, South Korea

- Conducted research in a Computer Systems Security Lab under direction of Prof. Hyungon Moon
- Publications:
 - “Ambassy: A Runtime Framework to Delegate Trusted Applications in an ARM/FPGA Hybrid System” IEEE Transactions on Mobile Computing

PROJECTS

R-Vision web security club

OWASP Top 10

- Hosted biweekly webinar about web security covering 2017 and 2021 versions of OWASP Top 10, as well as usage of security tooling
- Observed correlation of start of the webinar with drop of newly introduced SQLi and XSS vulnerabilities to 0, as well as with significant growth of security vulnerabilities identified by quality assurance team

Internal CTF

OWASP Top 10, Docker, Node.js, Flask

- Organized internal CTF for R-Vision company to raise interest in web security club, as well as in security in general
- Deployed CTFd server and developed multiple web security related challenges using Node.js and Flask
- Collaborated with colleagues from HR and design teams to organize prizes in the form of company swag and to create a design of event related T-shirts for all participants

Impact of COVID-19 on economics

JavaScript, Vega-Lite

- Interactive web application that allows to visualize data of various countries related to COVID-19 and economic indicators such as GDP and stock prices on different time slices

INTERESTS

Computer Systems Security

Formal Verification of Privacy

Ethics