Seon Kim (Eron)| Portfolio

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CERTIFICATIONS

CompTIA Security+	December 2023
CompTIA A+	December 2023
Cisco Certified Network Associate (CCNA 200-301)	April 2024

EDUCATION

Crescenta Valley High School, 2024

TECHNICAL SKILLS

- ➢ **Technologies (IT)**: Docker, Nginx, AWS, Cloudflare, Active Directory, Cisco WLC, VirtualBox, Wireshark
- ➢ **OS**: Windows, Debian-based distributions
- ➢ **Languages**: HTML, CSS, JavaScript, Java, Python, C++
- ➢ **Libraries**: React, Svelte, Node.js, Socket.io, Passport.js, JWT, jQuery, ejs
- ➢ **Database**: MongoDB, Redis
- ➢ **Environment**: GitHub, VSCode

PERSONAL LABS

AWS & Cloudflare
- ➢ Deployed website onto an AWS EC2 instance with Docker Compose and Dockerfile.
- ➢ Created a reverse proxy using Nginx to route traffic between three services in the EC2 instance.
- ➢ Secured website with TLS using Cloudflare's Origin CA.
- ➢ Orchestrated EC2 instance using AWS Application Load Balancer & AWS Certificate Manager.
- ➢ Set up DNS records for 8+ services in Cloudflare.

Active Directory (AD)
- ➢ Administered 4 virtual machines using VirtualBox to simulate an AD environment.
- ➢ Customized a PowerShell script for bulk creation of 100+ users accounts.
- ➢ Directed AD to forward events to Splunk for data analysis.

Cisco WLC (Catalyst 9800-CL)
- ➢ Set up an access point through the terminal using PuTTy.
- ➢ Initiated WLAN profiles (General & Security).
- ➢ Successfully deployed the tag to the access point.

WEBSITE PROJECTS

Transparency Chat App
- ➢ **Skills Used**: React, Node.js, Socket.io, Redis, MongoDB, JWT, Framer-motion
- ➢ Like any normal chat app, but the other person can see you typing in real time while chatting.
- ➢ Focused primarily on UI/UX design

Virtual Dining Restaurant Simulation
- ➢ **Skills Used**: React, Node.js, Socket.io, MongoDB, Passport.js
- ➢ Experience designed to let users chat in real time while dining virtually in a restaurant setting.

Random Password Generator
- ➢ **Skills Used**: React
- ➢ Generates passwords that can be customized.
- ➢ Practiced UI/UX design with React.

Weather App
- ➢ **Skills Used**: jQuery, HTML, CSS, Javascript
- ➢ Shows the current weather details for a place at a particular point in time. Uses a 3rd party weather API.

Quick Quiz
- ➢ **Skills Used**: Svelte, React, Framer-motion
- ➢ Website inspired by Kahoot, with the goal of automatically generating questions from a topic using ChatGPT.

Math App
- ➢ **Skills Used**: Node.js, MongoDB, ejs, Passport.js
- ➢ The goal was to generate random math problems so that all possible math problems can be practiced.

SUMMARY

- ➢ Ambitious IT professional with a solid understanding of security and networking principles. Specialties include: AWS cloud deployment; Cisco router, switch, and WLC management; web development;