

Hein Moe Thu

San Marino, CA • heinmoe32@gmail.com • (626) 464-3825

SKILLS

- Java, PowerShell, SQL, C#, C++, JavaScript, Haskell, Python
- Spring Boot, Git, Docker, Kubernetes, WPF, Google Cloud Platform, Terraform

FORMAL EDUCATION

Westcliff University , Irvine CA	Aug 2021 – May 2023 (Expected)
M.S. Computer Science	GPA: 4.000
Chapman University , Orange CA	Aug 2015 – May 2018
B.S. Computer Science, Minor in Economics	GPA: 3.889

PROFESSIONAL EXPERIENCE

NOC Engineer at Alvaka Networks, Irvine, CA Aug 2018 – May 2021

- System administration of internal ticketing, patching, and security systems.
- Software and automation development for the IT department.
- Development and administration of relational databases.
- Tier 2 server and workstation support for various business applications.
- Internship instructor for basic programming and database concepts.
- VPN, VDI, and RDS access management for remote working.

PROJECTS

NOC Dashboard (PowerShell, SQL, PowerBI): dashboard for the NOC that display service and server health. The data is collected through REST APIs, Web Scrappers, Exchange APIs, and SQL Queries and compiled into a SQL database, which is queried through a PowerBI Gateway.

Resume (Java, Spring Boot, K8): a RESTful web service for configuring resume data stored in a PostgreSQL database. The app and the database are dockerized and deployed on a Kubernetes cluster behind a Spring Cloud Gateway.

CryptoFeel (Java): a multi-threaded android app that scrapes details of top 25 cryptocurrencies and correlate them with sentiment analysis results of top 50 tweets of each currency.

Salem Witch Trial (Java): a multi-threaded, console-based game that allows multiple clients to play and communicate to the server using TCP/IP web sockets.

proMoes.com (JS, HTML): a simple personal website showcasing my resume in a web format, hosted on GitHub Page, and routed through Cloudflare for custom domain and SSL cert.

OPNSense Firewall: a firewall built for a small business with features including DNS filtering, load-balancing, OpenVPN service with LDAP authentication, geo-blocking, and Dynamic DNS.

ACTIVITIES

Prop Master of A Sunny Day Musical Feb 2022 – Present

- A nonprofit musical show with all proceeds going to people suffering from the military coup in Myanmar.

Web Developer of Chapman UX Society Mar 2017 – May 2018

- Student-run organization advocating usability, human-computer interaction, and effective design. We help other student bodies with UX design such as their websites.