

TREY MOEN

PERSONAL INFORMATION

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CERTIFICATIONS

Jul '21 AWS CERTIFIED CLOUD PRACTICIONER [1]

WORK EXPERIENCE

Jun '21–Aug '21 E&J Gallo Winery – PROGRAMMER ANALYST INTERN – INFOSEC

- *Technology used:* AWS CloudFormation, EC2, EventBridge, GuardDuty, IAM, Lambda, Secrets Manager, SQS
- Saved personnel valuable time by automating the manual remediation of low to high severity findings, achieved by developing a serverless, real-time alert and auto-remediation system deployed across 20+ AWS accounts and 17 AWS regions using Python, AWS Lambda, CloudFormation, GuardDuty, SQS, and more
- Improved endpoint security by auditing hundreds of AWS resources both manually and through automation for security flaws and best practice conformance, including EC2 security groups and IAM policies and roles
- Proved the scalability of the auto-remediation system by pitching and validating my solution with AWS Solutions Architects, an AWS Security specialist, and Technical Account Manager

Jan '19–Jul '21 JNJ Software LTD – FULL-STACK SOFTWARE DEVELOPMENT ENGINEER

- *Technology used:* Docker, Go, Grafana, HTML/CSS/JS, Kubernetes, MongoDB, Node.js, Prometheus, Redis, TypeScript
- Powered the core of a growing business as the lead developer in a fast-paced development environment by building, documenting, and maintaining myriad projects including REST APIs using TypeScript and MongoDB, client-facing and internal web dashboards in Node.js, HTML, CSS, and JavaScript, and object-oriented language libraries in Go and TypeScript
- Grew existing infrastructure to handle nearly one million messages per day and process terabytes of data per month by designing and building a highly distributed, scalable, web scraping platform and real-time message pipeline focusing on high availability using Docker, Kubernetes, MongoDB, Redis, and Node.js
- Optimized key performance indicators like pipeline latency to a sub-80 millisecond average through data analysis and profiling systems and applications with tools like Grafana and Prometheus

Aug '20–Present George Fox University – CSIS LAB ASSISTANT

- *Technology covered:* C/C++, Java, L^AT_EX, MPI (MPICH), PostgreSQL, Python, Scala
- Empower and lead students toward understanding concepts and technologies from intro to CS core courses, including data structures, algorithms, parallel programming paradigms, relational databases, and programming style and best practices
- Assist in running university-hosted events like the ICPC (Inter-collegiate Programming Contest) and GFU High School Programming Contest

EDUCATION

Aug '18–May '22 George Fox University — Newberg, OR

GPA: 3.7 · *Computer Science, Concentration in Cyber Security*

- Selected as one of 40 mentees to participate in the GFU "IGNITE" industry mentorship program
- Won first place out of 8 teams by working with two colleagues to develop BookLend [2] [3], a peer-to-peer borrowing and book lending service for college students, in the 2021 GFU Code Jam hackathon
- Elected member of the CSIS Student Advisory Board [5]
- Student under the George Fox Honors Program [4], a Great Books and humanities general-education program

REFERENCES

- [1] *AWS Certified Cloud Practitioner Certificate*.
https://www.credly.com/badges/2d689351-0ce2-43f7-b9b4-42e5ae03eb94/public_url/.
- [2] *BookLend - Description*. https://www.linkedin.com/posts/gfu-acmw_codejamv1-gfuacmw-activity-6786806701384433664-wwVd/.
- [3] *BookLend - GitHub Organization*. <https://github.com/booklend/>.
- [4] *George Fox Honors Program*. <https://www.georgefox.edu/honors-program/index.html/>.
- [5] *George Fox University CSIS Student Advisory Board*.
<https://cs.georgefox.edu/about/advisory/>.