Trey Moen

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Education

George Fox University   *Newberg, OR*

B.S. in Computer Science – Cyber Security Concentration – GPA: 3.7   *Aug. 2018 - May 2022*

- 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, 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
- Student under the George Fox Honors Program, a Great Books general-education program

Work Experience

E&J Gallo Winery   *Modesto, CA*

Programmer Analyst Intern   *Jun. 2021 - Aug. 2021*

- *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.
- Refined 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

JNJ Software, Ltd.   *Remote – Vancouver, BC, Canada*

Full-stack Software Development Engineer   *Jan. 2019 - Jul. 2021*

- *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

George Fox University   *Newberg, OR*

CSIS Lab Assistant   *Aug. 2020 - Present*

- *Technology covered: C/C++, Java, LaTeX, MPI, 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

Certification

Amazon Web Services

AWS Certified Cloud Practicioner – Click for certificate   *Jul. 2021*

- Earners of this certification have a fundamental understanding of IT services and their uses in the AWS Cloud. They demonstrated cloud fluency and foundational AWS knowledge. Badge owners are able to identify essential AWS services necessary to set up AWS-focused projects.