Hayden S. Maclean

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PROFESSIONAL PROFILE

A passionate software developer and tenacious problem solver, focused on writing clean robust code from the edge to cloud. Experienced with Agile and SCRUM development and processes.

SUMMARY OF SKILLS

Proficiency with - Golang, Python, Linux, Git, Docker, Kubernetes, Helm, TLS/SSL, Bash, Unity, Jenkins, TDD, Continuous Integration
Knowledge of - C#, C, .NET, Networking
Developed Software For - Linux (Ubuntu, Debian, CentOs), Android, Windows, iOS

EXPERIENCE

KVH Industries, Inc

Software Engineer   Jan 2019 - Present

Currently developing a commercial marine IOT data collection and analytics service. Responsible for edge and cloud kubernetes cluster configuration, scaling and encryption of MQTT over satellite.

As part of a software development SCRUM team, I helped develop a global multi-media streaming service. I was tasked with the creation of a failure tolerant and secure media processor and software update loader. This program provided file authenticity verification, decryption and post processing functions. The streaming service was launched early 2020 and is now used by thousands of customers worldwide.

Systems Engineer   Aug 2017 - Dec 2018 (1 yr 5 mos)

As part of a network operations team, I was an escalation point for high priority issues on both terrestrial and VSAT networks. In addition, I filled a software development role developing a service to orchestrate remote software upgrades of VSAT terminals and later deploying and maintaining network traffic shaping systems. Later transitioning into developing traffic shaping code full time.

Network Analyst   Aug 2016 - Aug 2017 (1 yr 1 mo)

Tasked with ensuring accurate billing of customers data usage over a global satellite network, I developed software to measure network traffic at key locations across the network. The reports generated by this software were used to identify network issues and ensure accurate billing.

Thermal Solution Resources

Intern   Mar 2015 - Aug 2018 (6 mos)

Developed and tested firmware, written in C, for WiFi enabled LED lights. I was tasked with developing dimming and thermal throttling features.

EDUCATION

Bachelor of Science: Computer Science   09/12 - 05/16
University of Rhode Island, Kingston, RI

Communication Systems Engineering Certificate   2018
University of California Irvine, Online

ACCOMPLISHMENTS

Designed and built a high performance electric motorcycle
Boy Scouts of America: Achieved the Rank of Eagle Scout