

JOHN Y. RODGERS

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EXPERIENCE

Viasat

Software Engineer

San Diego, CA

August 2018 - November 2023

- Enhanced fault diagnosis & system reliability with **C++** library that created files detailing recent activity from failed **Docker/Kubernetes** containers, enabling more precise troubleshooting and system insights.
- **Deployed**, debugged and administered **Linux-based VMs** using **Jenkins** to develop, test, and deploy **Docker/Kubernetes** containers.
- Ensured compliance with rigorous security standards in cross-virtual machine communications by designing and owning a **C++** library that managed **OpenSSL**-secured **DTLS** connections.
- Enhanced alerting and monitoring by developing data publishing microservice that streamed critical data from containers leveraging **gRPC** for transmission, **Fluent Bit** for filtering and enrichment, **Kafka** for publication.
- Ensured rapid issue resolution and system reliability through critical **on-call technical support**, demonstrating a deep understanding of system architecture and cross-team product integration.
- Deep intellectual curiosity and passion about learning through **methodical study**, **organized note-taking** using **Zettelkasten** method, systematic reviews using **spaced repetition flashcards**.
- Significantly reduced application suite build/test times by **>3 hours** through proposing, planning, and leading a summer intern project focused on process optimization and efficiency in a containerized build environment.
- Boosted team velocity by 25% over three-year tenure as a **Scrum Master** for 8-member development team, all while excelling in my primary role as a developer.
- Accelerated code review completions and development quality by revitalizing processes and training, fostering clear communication, faster issue resolution, and increased team knowledge.
- Lowered dependency on individual expertise by initiating peer education program, conducting needs assessments, mobilizing subject matter experts, and creating a comprehensive video knowledge base.

Viasat

Software Engineer Intern

San Diego, CA

June 2017 - August 2017

- Collaborated with an interdisciplinary team to consolidate multiple hardware testing tools into a single server rack, automating modem testing processes.
- Created equipment tests using **C++**, automated tests and reporting of results using **Python**, ensuring seamless communication and compatibility between devices.
- Performed extensive debugging and optimization of the automated system, ensuring robust performance in diverse operational conditions.

United States Navy

Information Systems Technician

2007 - 2012

- Configured, maintained, and monitored ship-wide **local-area network** including **servers**, **firewalls**, **routers**, and **switches**.
- **Supervised** five-member team of diverse backgrounds and life experiences through daily operations by focusing on respect, communication, and motivation.
- Obtained **TS/SCI/NSA Security Clearance**, demonstrating a commitment to stringent security protocols and a proven track record of trustworthiness and reliability in handling classified information.

EDUCATION

University of California San Diego

Jacobs School of Engineering

BS in Computer Science

- Coursework: Object-Oriented Programming; Advanced Data Structures; Theory of Computability; Software Engineering; Computer Architecture; Artificial Intelligence: Search & Reasoning; Computer Operations & Product Engineering
- Organizations: **Vice President** of Student Veterans Organization where I advocated for student veterans and organized events including Raytheon Resume Panel & Networking Event, and Amazon Alexa Hackathon.