John Y. Rodgers

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Experience

Viasat   San Diego, CA
Software Engineer   August 2018 - November 2023

- 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.
  - Successfully drove project outcomes by streamlining project workflows, efficiently managing tasks in **JIRA**, facilitating productive meetings, and fostering collaboration with leaders across various teams.
- Accelerated code review completions and development quality by revitalizing processes and training, fostering clear communication, faster issue resolution, and increased team knowledge.
  - Expedited merges by broadening reviewer pool with a template that captured crucial details increasing contributions from all skill levels, boosting team knowledge and preserving a valuable historical record.
  - Enhanced quality of collaborative development resulting in improved code quality, faster issue resolution by delivering code review training that emphasized effective communication and thorough feedback.
- Lowered dependency on individual expertise by initiating peer education program, conducting needs assessments, mobilizing subject matter experts, and creating a comprehensive video knowledge base.
  - Boosted technical proficiency of junior developers by holding regular skill-up sessions resulting in a knowledge base populated with **C4**, **Sequence**, and **State** Diagrams.
- 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.
  - Effectively managed and mentored participants, providing guidance through the project's technical and operational complexities, ensuring successful project completion and a valuable learning experiences.
- 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 connection stability by integrating multi-threading for efficient and reliable heartbeat monitoring, facilitating automatic re-establishment of SSL connections as required for continuous operation.
  - Boosted efficiency and throughput by employing a multi-threaded approach to queue and send packets, optimizing network performance and data handling.
- Deep intellectual curiosity and passion about learning through **methodical study**, **organized note-taking** using **Zettelkasten** method, systematic reviews using **spaced repetition flashcards**.

Viasat   San Diego, CA
Software Engineer Intern   June 2017 - August 2017

- Collaborated with an interdisciplinary team to consolidate multiple hardware testing tools into a single server rack, automating modem testing processes.

United States Navy
Information Systems Technician   2007 - 2012

- **Supervised** five-member team of diverse backgrounds and life experiences through daily operations by focusing on respect, communication, and motivation.
- Configured, maintained, and monitored ship-wide **local-area network** including **servers**, **firewalls**, **routers**, and **switches**.

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.