Jeremy Spewock

Farmington, New Hampshire | Software Engineer | 603-923-1582
jeremy.spewock@gmail.com | https://www.linkedin.com/in/jeremyspewock/

EDUCATION

University of New Hampshire - Durham, NH   **May 2024**
Bachelor of Science: Computer Science   *GPA 3.78*
- Dean's list with High Honors in Fall 2021, Honors in Spring 2022, Highest Honors in Fall 2022, High Honors in Spring 2023, and Highest Honors in Fall 2023.

Southern New Hampshire University - Online   **March 2020**
Associate of Arts: Liberal Arts   *GPA 3.98*

SKILLS

- **Adept** in Linux, Windows, Python, C, Git, and Object-Oriented Programming.
- **Proficient** in Ansible, Jenkins, Java, Docker, Beaker, Jira, Agile, Scapy, Software Design, System Administration, DevOps, REST APIs, and Flask.
- **Familiar** with Rust, Go, Azure, JavaScript, OpenVPN SQL, Django, HTML, CSS, MongoDB, JQuery, Postman, NodeJS, React, Express.js, and Bamboo.

ACADEMIC COURSES

General Assembly Immersive Program - Online   **October 2020 - December 2020**
Student Developer
- Learned the basics of Object-Oriented Programming and how to write code in multiple languages including HTML, JavaScript, CSS, and Python.
- Developed two full-stack applications featuring back ends made from Node.js, Express.js, MongoDB, and React and front ends primarily composed of HTML, CSS, JavaScript, and Embedded JavaScript Templating.
- Created a web application as a third project leveraging the same front-end tools alongside jQuery for formatting the page at runtime.

PROFESSIONAL EXPERIENCE

UNH InterOperability Lab (IOL) - Durham, NH   **September 2021 - Present**
Lead Developer - Open-Source Team   *October 2023 - Present*
- Continuing work developing automated ethernet device testing suites for DPDK (Data Plane Development Kit) Testing Suite (DTS) and porting over coverage from test suites written for the old framework.
- Collaborating with open source developers to plan new features for the DTS such as parallel testing and filtering tests based on system capabilities to provide faster and more accurate testing.
- Focusing on refining leadership skills while guiding developers in tasks surrounding the maintenance of servers for the OFA project and preparing for training new IOL employees on DTS development and testing.
- Nominated four times for and was one of five individuals to be awarded an IOL Star, as well as a recipient of the IOL Nebula Award for initiative and excellence on the DPDK team in the winter of 2024.

Senior Developer - Open-Source Team   *November 2022 - October 2023*
- Managed and developed automated tests run on every patch submitted to the DPDK project while continuing to sustain systems for the OFA project and fulfill community needs.
- Expanded into helping more with other projects such as DPDK and sustaining an automated testing lab for more than 20 servers and VMs through Jenkins.
- Maintained an ansible instance with over 10,000 lines of code detailing host information and configuration steps.
- Collaborated on rewriting the DTS to be used to computerize testing of various DPDK-supported drivers and devices and wrote a "smoke-test" testing suite for verifying the stability of systems.

Junior Developer - Open-Source Team   *September 2021 - November 2022*
- Cooperated with the open-source team to maintain infrastructure for multiple open-source projects to leverage.
- Became primary maintainer for the servers used for the OFA project while taking on other team-wide tasks such as using Bamboo to automate RPM creation in a common tooling repository and OpenVPN scripting.
- Refined existing skills surrounding Unix, Python, and SQL, and gained familiarity with working on a team of developers alongside a larger open-source community.

LEADERSHIP EXPERIENCE

Residential Life, University of Hampshire   **August 2022 - Present**
Resident Assistant
- Fostered community amongst a diverse group of first-year students by offering social programming and support through emotional situations and times of crisis.
- Dedicated 20+ hours a week to serve residents while balancing a full academic course load and a part-time job.
- Served on a team of 16 staff members to uphold UNH conduct policies and build community among the 450+ residents.