

Skyler Augustyn Herman

Software Engineer

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Optimistic Software Engineer seeking a full time opportunity following graduation in May 2024

Skills

Programming:

Python, Java, Rust, Javascript, C, C#, SQL, HTML, CSS, REST API, R, Typescript

Tools:

Docker, AWS, EKS, Git, Gitlab, Vagrant, Kubernetes, Helm, Terraform, Domino, Miro

Second Languages:

American Sign Language

Education - Certifications

B.S Software Engineering - Rochester Institute of Technology 3.59/4.0

May 2024

RIT Founders Scholarship, RIT Computing Medal, Dean's List, Performing Arts Scholar

Professional Scrum Master 1

April 2023

ScaledAgile Certified Safe 5 Agile Software Engineer

December 2021

Work Experience

Global Technology Software Engineering Intern - Prudential - (Newark, NJ)

6/2023 - 8/2023

Created a micro-frontend POC for an insurance quote web service using React, the single-spa library, and webpack.

- Implemented a widget to be used in a major internal system and demonstrated it through team demos held during our Scrum ceremonies.
- Coordinated with a new Product Owner to increase cross-team communication and aided in the re-design of the team's main product while assisting in preparation for Product Increment Planning.

Tools: React, Webpack, Single-spa, Miro, Bitbucket, Confluence, Jira

R&D Technology Co-op - Johnson & Johnson - (Raritan, NJ)

1/2023 - 6/2023

Investigated possible opportunities to speed up runtime processes on AWS instances through implementation of the OneMKL library and Volcano Batch scheduling system.

- Tested the accuracy of these opportunities, discovered inaccurate initial projections, and reported this data.
- Independently sought out other opportunities and created a script to acquire a user's management chain up to the CEO, as well as their compute cost.
- Functioned as a Scrum Master to instill Agile principles in a newly converted Scrum team, resulting in 45% more efficient team meetings.

Tools: Python, React, Node.js, AWS, EKS, Volcano, OneAPI, Sharepoint, Jira, Agile Methodologies

Software Engineering Intern - IOMAXIS - (Arlington, VA)

8/2021 - 12/2021 / 5/2022 - 8/2022

Contributed to a Scrum project by leading the investigation, design, and implementation of a TCP and UDP proxy manager, automating tasks through script integration, and enhancing Kubernetes automation and quality testing.

- Led investigation and issue outlining for a proxy manager project within a Scrum team, culminating in a Python and Rust library-based system refactor.
- Automated manual tasks involving external vendors through developing a script integrated into the pipeline.
- Upon return, concentrated efforts on enhancing acceptance criteria, including the expansion of Kubernetes automation and improvements in quality testing.

Tools: Rust, Python, Vagrant, VirtualBox, Gitlab, Confluence, Docker, Terraform, Kubernetes, Helm

Projects

Course Select

Tasked with creating a full stack project working from the backend built in SQL to a React frontend.

- Constructed a frontend that communicated with the backend through a Flask Restful API
- Re-engineered the project in multiple iterations as the semester progressed to improve usability

Tools: Python, SQL, React, Restful API, Reactstrap

Extracurriculars

RIT Players (Theater) President

February 2022 – March 2023

Elected under the platform of increasing club communication. Organized responsibilities of other officers and production teams, presided over meetings, and ensured club operations ran smoothly for a club with over 60 active members. Used Trello for itineraries.