

# Ryan J. Skelly

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## EDUCATION

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University of New Hampshire - Durham, NH

May 2023

*B.S. in Information Technology, Minor in Analytics*

3.00

- **IT-Oriented Courses:** Cloud Computing Principles, Network Technology, Project Mgmt. for IT, Data Science and Analytics, Database Technology, Network/Systems Admin, Computer Architecture, Computer Security
- **CS-Oriented Courses:** Integrative Programming, Intermediate Web Design, Data Structures & Algorithms, Fundamentals of Cybersecurity, Intro to Software Engineering, Analysis & Appl. of Functions

Portsmouth High School - Portsmouth, RI

June 2019

## RELATED EXPERIENCE

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EMRLD Health - Portsmouth, NH

June 2023 - October 2023

*Full Stack Developer, DevOps Engineer*

- Deployed Applications to Azure Resources(ACR, Storage Accounts, Web App Services)
- Developed and Maintained Azure DevOps pipelines for production applications
- Implemented frontend features in React.js and monitoring functionalities using Sentry
- Data manipulation, analysis, and updating

InterOperability Laboratory - Durham, NH

November 2020 - June 2023

*IPv6 Test Technician*

- Conducted testing of network devices for IPv6 Ready Logo and USGv6 certifications in a Scrum Environment
- Analyzed network traffic/pcaps, installed and managed vendors' devices (both Physical and Virtual) and leveraged scripts for test automation
- Provided frequent progress reports to vendors

*Software Developer*

- Fixed bugs and developed TCL/Expect-based testing scripts for the IOL's INTACT software package
- Utilized Jira, Bamboo, and Confluence, operating in a KANBAN Environment

## PROFILE

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I am a highly motivated and proactive individual deeply passionate about software. My innate problem-solving abilities, coupled with years of dedicated learning, have consistently empowered me to overcome complex development and network-related hurdles. I have a comprehensive skill set encompassing both frontend and backend development, as well as expertise in standard libraries and frameworks. Additionally, I possess a strong grasp of systems architecture and experience managing cloud resources.

## SKILLS

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|--|-----------------------------------|--|
| → Linux Server Management, Administration, and Configuration | → Typescript, React.js, Next.js   | → Atlassian & Gitlab                   |
| → Routing, Switching, Web/Internet Security and Protocol     | → Python, C/C++, Java             | → Version Ctrl (Git/Svn)               |
| → Packet Capture Analysis                                    | → Node/Express.js, Apache2, Nginx | → Agile Development(Scrum, KANBAN, XP) |
| → Network Performance Testing                                | → Bootstrap, CSS                  | → AWS (EC2, VPC, EKS)                  |
| → MariaDB, MongoDB, NoSQL                                    | → Unit/Integration Testing, TDD   | → Google Cloud Platform                |
|  | → Docker, Containerd, K8s         | → Azure DevOps                         |
|  | → Data Engineering and ML/AI      |  |

## PROJECTS & AWARDS

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- IOL Star Award (Spring 2022)
- Enterprise VPN Solution(OrionVPN)
- Multiplexed Stream Delivery in HTTP/1.1, HTTP/2, and HTTP/3