

Summary

Accomplished Python Developer and Full Stack Engineer with over six years of experience in satellite network operations, specialized in API development, network-wide software deployments, and creating comprehensive monitoring systems. Proven track record in developing and deploying scalable code, managing critical network infrastructure, and providing high-level technical support. Seeking to leverage deep technical expertise and a collaborative work ethic in a challenging Python/Full Stack Developer role.

Proficiencies:

- Programming Languages: Python, JavaScript, HTML, Bash, SQL, C
- Frameworks/Libraries: React (Frontend development), Tabulator, FastAPI, Supervisor, Huey, Flask
- Systems: Linux, macOS, Windows
- Networks: iDirect modems, Cisco routers, PaloAlto, Sandvine, Salesforce
- Tools: SSH, TeamViewer, Remote Desktop, AnyDesk, PyCharm,
- Visual Studio, Virtual Box, VM Ware, Grafana, Kibana
- Databases: Experience with various database technologies
- Others: Expertise in software deployment, and maintenance coordination
- Ability to work in team environment
- Strong communication and analytical skills

PROFESSIONAL EXPERIENCE

Network/Systems Engineer November 2017 – March 2024

KVH Industries, Middletown, RI

- Developed an API backend to support a suite of tools, enabling file transfers and software updates across 10,000+ remote terminals.
- Designed and implemented a user-friendly front end for tool access using React, improving operational efficiency.
- Engineered a network management system (NMS) to display real-time stats and status for terminals and network health using Tabulator.
- Served as a Tier 4 escalation point, providing expert resolution for complex technical issues in satellite network operations.
- Led software deployment initiatives, including maintenance notifications and outage communications, ensuring minimal service disruption.
- Collaborated with various Engineering teams to troubleshoot system issues, resulting in continuous improvement of network services.
- Authored comprehensive documentation for troubleshooting procedures, empowering lower-tier support teams with reliable guidance.

Information Technology Specialist

March 2016 – April 2019

Star Computers, Tiverton, RI

- Diagnose and repair problems with computers and networks from multiple clients remotely as well as on site.
- Communicate with client and give recommendations on systems design and implementation based on client needs.
- Train clients to use various pieces of hardware as well as software.

IT Administrator

September 2012 – September 2016

Center for Sight, Fall River, MA

- Only on-site IT technician managing hardware/software configuration, installation, and training in a (67) Windows 7 workstation (3) Microsoft Server 2008/2012 network environment.
- Initial line of defense to troubleshoot and repair devices, both remotely as well as in person, affected with malware, viruses, other threats and potential inhibitors to network operations.
- Developed ticketing system to triage and track IT requests and repairs.

EDUCATION AND CERTIFICATIONS

Southern New Hampshire University

- BA—Computer Information Technology Cumulative GPA 3.864 Graduated May 2017
- CS50 Verified Certificate Completed May 2024

HONORS

- Summa cum laude
- Alpha Sigma Lambda National Honors Society