

Objective:

Dedicated and results-driven IoT Developer with 5 years of experience in designing and implementing cutting-edge IoT solutions. Proven expertise in device integration, cloud connectivity, and security protocols. Adept at collaborating with cross-functional teams to deliver scalable and innovative solutions. Seeking to contribute my skills and passion for IoT development in a challenging and dynamic environment.

Professional Experience:**IoT Developer | XYZ Tech Solutions, San Francisco, CA | June 2019 - Present**

- Designed and developed end-to-end IoT solutions for smart home automation, including device management, data acquisition, and cloud integration, resulting in a 30% increase in system efficiency.
- Integrated diverse IoT devices, sensors, and actuators into cohesive systems, ensuring seamless communication and interoperability.
- Implemented secure cloud connectivity solutions using AWS IoT, addressing authentication, encryption, and data integrity.
- Developed and maintained device drivers, firmware, and protocols, contributing to the successful deployment of 5 IoT projects.
- Collaborated with cross-functional teams to understand project requirements and translated them into scalable and robust IoT applications.

Software Developer | ABC Software Solutions, Seattle, WA | January 2016 - May 2019

- Contributed to the development of a real-time inventory management system, showcasing strong programming skills in Python and Java.
- Collaborated with the QA team to identify and address software bugs, resulting in a 25% improvement in overall software reliability.
- Participated in code reviews and provided constructive feedback to team members, promoting a culture of continuous improvement.

Education:

Bachelor of Science in Computer Science | University of Washington, Seattle, WA | Graduation Year: 2016

Skills:

- Programming Languages: Python, C, Java
- IoT Platforms: AWS IoT, Azure IoT, Google Cloud IoT
- Cloud Computing: AWS, Azure

- Networking: TCP/IP, MQTT, CoAP
- Security: TLS/SSL, OAuth, PKI
- Data Analytics: Apache Kafka, Spark
- Collaboration: Strong teamwork and communication skills

Certifications:

- AWS Certified IoT Developer

Projects:**Smart Home Automation System | June 2020 - Present**

- Led the development of a smart home automation system, integrating various IoT devices for lighting, temperature control, and security.
- Implemented predictive analytics for energy usage, resulting in a 20% reduction in overall energy consumption.

Professional Memberships:

- Member, Institute of Electrical and Electronics Engineers (IEEE)