# Job: **Software Development Engineer, Kuiper Data Science Platform**

## **DESCRIPTION**

Project Kuiper is an initiative to launch a constellation of Low Earth Orbit satellites that will provide low-latency, high-speed broadband connectivity to unserved and underserved communities around the world.  
  
Export Control Requirement:  
Due to applicable export control laws and regulations, candidates must be a U.S. citizen or national, U.S. permanent resident (i.e., current Green Card holder), or lawfully admitted into the U.S. as a refugee or granted asylum.  
  
Key job responsibilities  
Have you wanted an opportunity to work on an advanced global telecom service spanning both space and terrestrial networks? Have you wondered what it takes to solve a multi-dimensional resource allocation problem at global scale? Project Kuiper's Data Science Platform team will design, implement and operate systems that support the planning, management, and optimization Kuiper network resources for quality of service and throughput. This will allow Kuiper delight our customers. For this role, you will:  
  
- Take responsibility for designing and delivering modern, flexible, scalable solutions to complex optimization problems for operating and planning satellite constellations  
- Work with our peer teams and customers to design suitable software systems to fulfill the mission needs.  
- Write code for production cloud native software systems in Java.  
- Utilize AWS and other Amazon technologies to build high-available software services.  
- Help on-board and mentor new team members.  
- Lead technical roadmap definition efforts and decide what software services to build.  
- Define and automate processes used for software development, implementation, testing, and maintenance  
- Provide operational excellence and define/refine operational processes  
  
A day in the life  
This role is for a Software Development Engineer who will build new cloud services and APIs that manage customer devices such as applying software updates, telemetry, and self-healing. You will be building low-latency, highly scalable architecture that are critical to getting high quality internet service to customers.  
  
About the team  
Kuiper Data Science Platform team build services to ingest, transform, and aggregate data from various devices in Kuiper Network, and auto detect, diagnose, and resolve issues. We use ML technology to monitor customer experience and prevent fraud and abuse.

## **BASIC QUALIFICATIONS**

- 3+ years of non-internship professional software development experience  
- 2+ years of non-internship design or architecture (design patterns, reliability and scaling) of new and existing systems experience  
- Experience programming with at least one software programming language

## **PREFERRED QUALIFICATIONS**

- 3+ years of full software development life cycle, including coding standards, code reviews, source control management, build processes, testing, and operations experience  
- Bachelor's degree in computer science or equivalent  
- Experience in machine learning, data mining, information retrieval, statistics or natural language processing  
- Experience with MLOps and working with science teams on operationalization of scientific models.