Embedded IoT Device Engineer

The Company:
Puloli is an IoT Network-as-a-Service (NaaS) company providing private IoT network solutions. Using a software-defined network, Puloli offers full turn-key IoT connectivity service. Puloli’s customers are enterprises, critical infrastructure industries, smart cities, and related verticals in need of a full turn-key private IoT solution. The company is an early stage startup based in San Francisco, CA. Having just closed its Series A funding, Puloli is looking to recruit key early employees to join an exciting company disrupting an industry ripe for major changes.

Job Description:
▪ Design and prototype IoT device solutions for the control and monitoring of various Utility assets, interfacing to generators, pumps, pressure monitors, water level & flow monitors, etc. Familiarity with CAN bus, Modbus, I²C, and DNP protocols is highly desirable.
▪ Work with customers in the Utilities sector to define device requirements, including data collection parameters, physical interfaces, and deployment scenarios.
▪ Develop embedded software to collect and process data from sensors. Extract, transform, and filter as required for sending to cloud servers via constrained RF links.
▪ Coordinate productization with external ODM/OEM design & manufacturing partners.
▪ Support the Operations Team in deployment and launch of device endpoints.
▪ Troubleshoot and diagnose field trouble tickets.
▪ Support the Systems Engineering Team in optimizing system operation, performance, and scaling.

Qualifications:
▪ Bachelor’s degree in Electrical Engineering, Computer Science, or related field is required.
▪ Good understanding of CAN bus, Modbus, I²C, and DNP protocols is highly desirable.
▪ At least 2 years of experience in implementing one of the above or similar bus protocols.
▪ At least 2 years of experience in embedded device programming using Python, MicroPython, Java, or C/C++.
▪ Familiarity with wireless protocols and experience with Sequans- and/or Qualcomm-based modems is a plus.
▪ Fast learner, self-motivated, attention to detail, ability to adapt quickly to change.
▪ Excellent written and verbal communication skills; good presentation skills.

Information:
▪ Job Location: San Francisco, CA or nationwide.
▪ Employment Type: Full-time permanent.
▪ Compensation: Competitive package, including early stage startup stock options, competitive base salary, and benefits.
▪ Inquiries and resumes: talent@puloli.com.