

Oslo, August 15, 2024

REFERENCE LETTER

I hereby confirm that Sander Bakke completed a summer job at Interop AS from July 1 to August 9, during which he worked on a Proof of Concept (PoC) based on FIWARE open-source solutions, with a particular focus on digital twins and the distribution of sensor data.

Throughout the summer, Sander demonstrated strong technical insight and the ability to handle complex technologies. His main task was to develop a solution based on FIWARE FogFlow, a distributed data processing framework for IoT services. During his work, he implemented dynamic real-time processing of sensor data and showcased the use of FogFlow for efficient data flow and resource management in cloud environments.

The project also involved key components such as the Orion Context Broker for managing context data, IoT agents for sensor integration, and QuantumLeap with CrateDB for historical data storage. Sander utilized MongoDB to store context information and Docker to set up and manage various components in a containerized architecture.

Sander consistently demonstrated adaptability and was a valuable asset to the team. He distinguished himself with his ability to work independently, stay persistent, and find solutions to technical challenges.

We highly recommend Sander to future projects or employers seeking a keen developer with experience in distributed systems, digital twins, and data sharing, as well as an understanding of innovation through the reuse of open-source solutions from large European ecosystems.

Best regards,

Erik Hagen

Erik Hagen
Managing Director,
Interop AS