

Full-Stack Engineer

Backend, API & Dashboard Development

Location	Remote-first (occasional on-site / lab days may be arranged)
Type	Internship — full-time hours
Duration	4 months
Compensation	Unpaid internship
Reports to	Ali Alhubaishi, CEO & Founder

About the Role

Help build the cloud platform and dashboards that turn raw device data into clear insight for customers. You will work across the stack — ingesting data from the devices, storing time-series data, building APIs, and creating the web dashboards engineers and plant managers actually use. You will be mentored, given real tasks, and your work will ship in live products.

The internship is remote-first — we ship you the development kits and boards you need. For some hardware bring-up and bench testing, occasional on-site or lab days may be arranged.

What You'll Do

BACKEND & APIS

- Build and maintain backend services and REST / web APIs.
- Ingest data from the devices into the platform.
- Work with databases (including time-series data) for reliable storage and queries.

DASHBOARDS & FRONTEND

- Build clean, responsive dashboards that visualise live device data and trends.
- Turn customer and engineering needs into simple, usable screens and charts.
- Improve performance, layout, and the overall feel of the product UI.

TEST & DELIVERY

- Write clear, tested code and help with code review.
- Help with deployment, logging, and basic monitoring.
- Document how things work so the team can build on it.

What We're Looking For

- Studying towards (or recently finished) a degree in Computer Science, Software Engineering, or similar.
- Coding experience in JavaScript / TypeScript or Python.

- Basic understanding of web APIs, HTML / CSS, and databases.
- Curious about how data flows from a device to a screen.
- Careful, organised, and good at writing things down.

Nice to Have

- Experience with Node.js, React, or a modern frontend framework.
- Exposure to time-series databases, cloud platforms, or Docker.
- Personal or course web / data projects.
- Experience with version control (Git).

What You'll Gain

- Real project experience on hardware, firmware, and data that ships in live products.
- One-on-one mentorship from senior engineers.
- A finished project you can show in your portfolio.
- A reference letter on completion, and a possible path to a full-time role.

How to Apply

Send your CV and a short note about a project you've worked on to info@sapien-tech.io. If you have a portfolio, GitHub, or project photos, include them — we care more about what you've built than perfect grades.

Sapien-Tech is an equal-opportunity employer. We welcome applicants of all backgrounds.