

About MEMSYS

MEMSYS is a Deep-Tech start-up on a mission to eliminate batteries from wireless devices. We develop vibration energy harvesting technology and build the wireless condition monitoring systems that run on it: self-powered sensors that measure vibration and report the health of industrial machines to our customers, from the machine all the way to their screen. Our culture is open and friendly, and we balance hard work with a good dose of fun. We take our job and our customers very seriously, but ourselves not so much.

The role

We are looking for a Full Stack Software Engineer to strengthen our software team. Our stack runs from the machine to the customer: a measurement leaves a self-powered sensor over LoRa, passes through our gateway, travels over LTE into our cloud backend, lands in a database, and ends up on a customer dashboard or in a notification in their inbox. That makes this a rare system to get to build: a scalable fleet of distributed, self-powered hardware feeding automated analyses in the cloud. As a team we cover that whole chain, and you will see your work running at customers within weeks, sometimes even the same day. Depending on your strengths, you will:

- Develop our customer-facing and internal dashboards in TypeScript (Angular), from data visualization to alerting and notification flows
- Build and extend our cloud backend: Python (FastAPI) services, PostgreSQL, and the APIs that connect sensors, gateways, and dashboards
- Extend the monitoring services that run on our data: automated analyses that turn raw vibration measurements into insights about machine health
- Own the infrastructure: AWS (ECS, S3, CloudFront), Docker, and CI/CD with GitHub Actions
- Develop the software for our next generation of gateways, which connect the sensor network over LTE to the cloud
- Work closely with our embedded engineer on the sensor firmware and radio protocol; you understand what happens on the other side of the radio link

Who are you?

- An experienced developer in one or more of these areas: prior work experience, or an app or platform you built and shipped yourself. Show us what you made. You do not need to cover the whole chain from day one.
- Strong in languages such as Python or TypeScript, and experienced with modern web frameworks or cloud infrastructure (preferably AWS)
- A self-starter with a hands-on, pragmatic mentality: you take ownership, form your own vision on where the system should go, are genuinely passionate about building something great, and share our good vibes
- Bonus points for affinity with embedded systems (STM32, nRF5x), mechanical systems, or the analysis of vibration and time waveform data

What do we offer?

- A full-time position at YES!Delft, the heart of the Delft tech start-up scene
- €45.000 to €60.000 per year total compensation, extended with an employee participation plan (SARs) so you share in the value you help create
- A big role in a small team: you shape the product, the stack, and your own career, in an inspiring environment where tech meets entrepreneurship
- The chance to put your talents to work and make a direct impact on a more sustainable future