

ROBOAT

VACANCY Full-stack Developer

- **1 year contract – with intention to continue after**
- **€ 45-60k**
- **Based in Amsterdam – no visa sponsorship possible.**

THE ROLE

We are looking for a Full-stack developer to join our crew based in Amsterdam. This role requires someone who is excited to iterate and develop an interface, as well as the infrastructure to support it, for a unique and challenging problem – autonomous (self-sailing) boats.

Our way of working emphasizes individual autonomy, versatility, and a willingness to jump in to help others. Everyone's diverse skills, experiences and ambitions are needed to make Roboat a success.

You will be the key person to help design and build the next generation of User Interfaces for skippers and operators of Roboat vessels, such as: automated docking, collision warning and event inspection. Your skills in both the Front-End, and Back-End, will be challenged to ensure the scalability, safety, and responsiveness of our systems. You'll be interacting with a large variety of data: from machine learning pipelines, low level actuators, maps, and vessel behavior. The crux is to present timely, relevant information to the different users, directly from the Roboat system.

ABOUT US

As the world's cities undergo major changes, there is a strong need for efficient transport. We see an opportunity for the inland waterways to play a key role in city mobility and logistics. By bringing autonomy to vessels, Roboat will transform the movement of people and goods across the water.

Operating at the intersection of design, robotics, and software engineering, Roboat is a growing business that has a place for anyone who is highly driven, enthusiastic to learn, and occasionally enjoys nautical theme songs. Some of our current projects include:

1. A fully autonomous, electric, and 3D printed ferry for use in the city of Paris and operational during the 2024 Olympics and beyond.
2. A situational awareness safety system for the iconic GVB ferries of the Amsterdam IJ River.
3. Retrofitting the Roboat system onto a cutting-edge demonstration vessel.
4. Establishing additional assignments in other cities – think Venice, New York, the Maldives, Helsinki, Seattle, etc.

Come help us create the most incredible autonomous vessels around and hopefully change mobility in the process.

Want to know more about us? Check out: www.roboat.tech

YOUR INPUT

What you'll bring:

- The skills to design, build and ship working products.
- Experience with React and TypeScript, or an equivalent Front-end framework.
- Understanding of databases and an opinion on which to use.
- Excellent programming and debugging ability.
- Willingness to talk to our clients to understand requirements.
- A knack for implementing responsive, elegant UI.
- A drive to do your best work.

Nice to have:

- Experience with container orchestration eg. Snapcraft, Docker.
- Knowledge of cloud architecture platforms.
- GIS and mapping solutions.
- Built dashboards for (near) real-time applications with Websockets.
- ROS or ROS2 framework experience (C++, Python).
- Prior work with autonomous driving or robotic systems.
- A connection to boats.

You don't need to have all of these skills; there's plenty of room to learn on the job!

OUR OFFER

We want to find exceptional people who thrive with responsibility, autonomy, and trust. We are right at the start of this journey. As such you'll have a significant influence in shaping the future of the Roboat company.

What we can offer you:

- A role where you get the trust to make a difference and grow. We enjoy experimentation and continuously improving our skills and ways of working.
- Challenging problems in a range of areas with the option to grow.
- A team of remarkable humans who have each other's backs and go the extra distance.
- A dynamic workplace where we also value having fun.
- An amazing office in the middle of Amsterdam with a test area that doubles as the local swimming spot, 15m from our door.
- Collaborate with people and companies worldwide at the forefront of the shipping industry to create world-firsts.

Benefits and perks:

At Roboat, we value work-life balance and believe that taking care of our team members leads to better results and a more fulfilling workplace:

- 36 hours work week.
- We allow for hybrid working but this is not a remote role – we expect you in the office at least 2 days a week.
- 24 days of paid vacation.
- Floating national holiday policy – you can choose which holidays you want to recognize.
- Roboat adventure day – our yearly nautical themed trip.
- Opportunity to grow in directions that inspire you.
- Have a say in developing our work culture.
- We'll pay to get your Starter Sailing License (Klein Vaarbewijs).

INTERVIEW PROCESS

Excited? Sounds like this might be you? Even if you don't meet our exact requirements, we're always on the lookout for great people from all backgrounds – so tell us why you're a fit.

Send us an application

If reading this vacancy makes you feel like you're ready to set sail; cast off; jump on board — or any other ship metaphors for joining the team — then whoever you are or wherever you come from, we encourage you to apply.

Send us a cover letter about your past adventures relevant to this vacancy and let us know what you'd love to do in the future. If you have some kind of CV, repositories, or portfolio, we're interested.

Interview

Typically interviewing with us takes about three weeks from the first introduction call to receiving an offer. The steps:

1. Quick introduction video call
2. One day of in person interviews with the founding team. This will be in three parts:
 - a. Non-technical chat: we talk a bit about our company and your story, background, and reasons for wanting to join.
 - b. Technical chat: you'll talk with engineers relevant to your role and go through some of your past projects – things you are proud of, things that didn't go as planned and what you'd would've changed. We'll then discuss various topics relevant to your role in more depth. We conclude this part with a small on-topic assignment.
 - c. A closing chat with the opportunity to add anything, give feedback on the interview process, and ask any final questions.
3. We make you an offer.

Send your application to info@robot.tech