# ROBOAT

# VACANCY Frontend Developer

- **1 year contract – with intention to continue after**
- **Job based in Amsterdam – no visa sponsorship possible**
- **41k – 62k**



## THE ROLE

You will be the key person to help design and build the next generation of user interfaces for skippers and operators of Roboat vessels. Skipper-control panels, remote-control centers, simulator environments; all of these require UI/UX work, and we need you to make it happen!

Your technical skills 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 communicate the vessel's state and behavior.

Ultimately you will be creating the future look-and-feel of our product and in doing so set the gold standard for autonomy UI/UX in the maritime domain. 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.

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## 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.
- An eye for design and how to effectively communicate information.
- 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 haves:**

- Ability to make renders and mock-ups.
- A feeling for interface and interaction design.
- Experience with leaflet.js or similar for creating interactive maps.
- Prior work with Three.js.
- Built dashboards for real-time applications with Websockets.
- ROS or ROS2 framework experience.
- Experience with C++ & Python.
- Docker, dev-ops and deployment.
- Experience with Figma.
- Prior work with autonomous driving or robotic systems.
- A connection to boats.

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

# 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 ships, Roboat aims to 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.  An autonomous, electric, 3D-printed ferry for use in the city of Paris, operating during the 2024 Olympics.
2.  A situational awareness safety system for the iconic GVB ferries of the Amsterdam IJ River.
3.  A Roboat autonomy system for a logistics barge operating in the heart of Amsterdam.
4.  Retrofitting the Roboat system onto a cutting-edge demonstration vessel.
5.  We are working hard to establishing additional assignments in other cities – think Venice, New York, the Maldives, Helsinki, Seatle, etc.

Come help us create the most incredible autonomous vessels around.

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

# 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 can make a difference.
- 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 distance.
- A dynamic workplace where we value having fun.
- An amazing office in the middle of Amsterdam with a test area that doubles as the local swimming spot right at our door.
- Collaborate with people and companies worldwide at the forefront of the shipping industry to create world-firsts.
- We enjoy experimentation and continuously improving our skills and ways of working.

**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. We offer the flexibility to work remotely part of the time, with the expectation of you being in the office for a minimum of 2 days per week.
- 24 days of paid vacation – excluding national holidays.
- 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.
- 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 reach out and 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 join@roboat.tech

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