



Mid-level Software Engineer (TypeScript)

Full time. Remote (Europe)

We are **UBIO**. We automate the web.

UBIO has built the **Automation Cloud**, a platform which can robotically perform any online task such as reserving a hotel for your trip to New York, booking a flight to get there and applying for a credit card to pay for it all.

We provide solutions for businesses in the travel and financial services markets. For travel aggregators and metasearch we enable customers to directly buy tickets or book rooms on any airline, hotel or online travel agent. And for price comparison websites, we provide the ability for their users to buy insurance, loan or utility products directly on-site or in-app. In the future we'll open up the Automation Cloud so developers can easily create and sell APIs to automate anything. There's a lot more about us on our website at <https://ub.io>

UBIO is seven years old and currently has 30 employees, a mixture of engineers, product, sales and support staff. We've raised £3.5m to date and we were part of Techstars in 2015 and the MasterCard Start Path programme in 2016. Our growth is powered by automating transactions for clients including **Google**, **KAYAK**, **Trivago**, **TravelPerk** and **SnapTrip**.

We are embarking on a ground up rewrite of our platform for the next generation of growth and we are beginning to productise our own technologies that have been developed to solve problems for customers as large as Google. We are looking for three new engineers to help this vision and we are planning on doubling the size of the engineering team within the next 18 months.

How we work

We are a fully distributed team in and around Europe. We operate a flexible working policy and offer private healthcare, pension, perks and employee share options to all employees.

Diversity at UBIO

UBIO is inclusive, and we believe diversity drives creative innovation. Our products connect and make sense of information on the web, whatever its source. Similarly, we're striving to build a culture that reflects all corners of the community. We've embraced a commitment to diversity and inclusion where everyone feels empowered to involve

themselves regardless of their gender identity, race, age, sexual orientation or background.

The role

We are looking for an optimistic and resilient Typescript engineer.

You will be playing a key part in our engineering team, evolving our platform through a lot of collaboration and experimentation. We use a process of prototyping before we carry out any significant development work and you'll discuss this closely with the Lead Engineer to design a solution towards a feature. You will subsequently develop a prototype (or a few), implement it and take it into production.

Post release, you'll own that service and ensure that it evolves with the platform accordingly.

We also rely on architectural principles and guidelines to ensure our colleagues can pick up our work in the future, if and when necessary.

Your responsibilities as Software Engineer will include:

- **Drafting and developing prototypes**
 - If significant unknowns exist or risks need to be reduced, you'll frame your thoughts into a prototype doc and develop a prototype in code or research to resolve those. You may need to develop a few prototypes before we can move on to implementation.
- **Getting features production ready**
 - Once prototypes are out of the way, you'll write tests, add meaningful logging and metrics, refactor and expand on your initial prototypes to get your code ready for deployment. You are also expected to observe the features you ship after deployment and proactively make the team aware of any action points derived from production data.
- **Rub virtual shoulders with Product**
 - Engineering works very close to our Product function. You will frequently liaise with a product manager to ensure business requirements are current and to realign on delivery expectations.
- **Leveraging and evolving our standards**
 - We have defined a handful of standards, including a framework for developing microservices. We have also defined architecture guidelines to more clearly inform our future. We will count on you to advance those by adhering to them and providing feedback for improvements.
- **Avoiding pitfalls and learning from failures**
 - You will bring experience to the team and will help us avoid difficult paths, but

you understand that experiencing failures is a building block for success. Your resilience will be key to navigate these situations.

- **Communicating your needs clearly and responsibly**

- With the support of your Lead Engineer, you will be able to state clearly what is needed to deliver features in a timely fashion. You will do that with a good level of written and spoken English.

- **Owning Service Lifecycle**

- Be able to debug and provide support for services you ship in all environments.
- Be able to communicate effective metrics for the code you write, be aware of its performance and how we can observe them inline with SLOs.

- **Positively adding to our culture**

- You have a positive outlook in life and you can also have fun away from technology.
- You are able to focus on how to overcome obstacles, rather than being overly impeded by limitations and dependencies.

Our stack

- Backend: Node.js-based microservices written in TypeScript.
We use our own framework which is a set of commonly used components and conventions. We prefer keeping them up-to-date, refactored and documented.
- Storage: MongoDB, Redis, SQL
- Messaging: Redis, WebSockets, Kafka
- Platform: Kubernetes, Docker, CI on GitHub Workflows, with Tooling written in Go

You have technical experience in:

- Object-oriented programming; hands-on experience with one or more OO-heavy language (C#, Java, Ruby, etc) is preferred
- TypeScript development in strict mode with Node.js
- Storage: Redis, SQL, MongoDB

And it would be great if you also have:

- Exposure to frontend development using one of the mainstream frameworks (Vue, Angular, React, etc)
- Exposure to Dependency Injection
- Experience with microservices
- Experience with cloud services and providers (Google Cloud and AWS in our case)
- Interest in Event Driven and asynchronous communication patterns

How to apply

If this all feels right for you, we would love to talk to you. Please send CVs to aw@ub.io.