Job Advert
Med-/Senior Backend Engineer

Overview

MaaSLab is a pioneer research-based company focusing on developing cutting-edge solutions, platforms and studies for making the transport sector and our cities sustainable and climate neutral. MaaSLab has a range of projects worldwide, covering sustainable mobility, electric mobility, on-demand transport, connected cooperative and autonomous mobility, self-driving vehicles, multimodality, integration, resilience, and equity – everything that will make our future mobility easier, smarter, and more sustainable. MaaSLab started its operations in an academic environment in London, and after almost 10 years of operations, it has now established itself in Limassol, Cyprus.

MaaSLab is a unique multidisciplinary environment where economists, engineers, mathematicians, software developers, data and social scientists blend to set the pace through innovations and enable outstanding achievements. After all, behind every successful company are many great fascinating people who share the same vision.

MaaSLab is looking for a med-/senior-level Backend Engineer to join the team and contribute to the development of a state-of-the-art on-demand transport platform and AI-based data harmonisation engines that will be offered to the citizens of Limassol by the end of 2025, while after they will expand to other cities as well. If you want to be part of a service that will change the way people move, then join our team to excel and redefine the limits of what is possible to make our cities a better place to live in, and a better place for the next generations.

Main Responsibilities

- Enable diverse workloads to all run seamlessly on machines with a different host profile, with SLA guarantees.
- Build for the next level of scale. Scale the Compute products and significantly drive down infrastructure costs.
- Design and collect key usage/utilization host metrics that drive scheduling decisions, so maximum Efficiency can be accomplished during peak and non-peak times.
- Be a role model on acting with good judgement and responsibility.
- Up the bar on sustainable engineering by improving best practices, producing best in class of code, documentation, testing and monitoring.
- Be a humble mentor and trusted advisor for both our talented team members and passionate leaders alike. Deal with a difference in opinions in a mature and fair way, helping teams to commit and move forward.
- Create and maintain documentation for infrastructure, processes, and procedures to ensure knowledge sharing and onboarding of team members.

Essential Qualification Requirements

- BSc or BEng in Computer Science, Engineering, or a related technical field.
- 5+ years of related working experience.
- Strong knowledge on NodeJS and Typescript. Knowledge on the NestJS framework will be considered a plus.

- Experience in the microservices architecture, Apache Kafka, RDBMS, MongoDB, Docker, REST APIs.
- Good to have: knowledge on the OAuth2.0 Grant Types and OIDC, WebSockets and RPC.
- Pride in the code you write and have a strong sense of engineering craftsmanship.
- Deep system design skills. You know how to build highly-scalable, robust, and fault-tolerant services that support our growth requirements.
- Understanding of distributed systems architecture - consensus, convergence, load balancing, data consistency and performance/efficiency constructs
- Understanding of the latest software engineering principles and practices.
- Ability to learn quickly on the go. We're looking for software engineers who thrive while learning new technologies and don't believe in one-size-fits-all solutions. You should be able to easily adapt to meet the needs of our massive growth and rapidly-evolving business environment.
- Passion and energy. You bring infectious enthusiasm to all your endeavours. You always perform at your best and drive those around you to do the same. You see new challenges as an opportunity to contribute, make an impact, and grow.
- Exceptional communication, managing and teamwork skills
- Self-motivated and goal-oriented approach
- Experienced in using analytic, strategic and communication skills
- Proactive attitude and high degree of independence
- Good working knowledge of English
- Eligible to work in the EU (preferably Cyprus)

What we offer
- A competitive salary package in the range of 50,000 to 80,000 Euro gross per year (depending on the CV and seniority).
- Technical equipment (laptop, mobile phone, screens and whatever else is needed to enable your work).
- Performance Bonus
- Wellness programs
- Hybrid or fully remote work environment
- 50% income tax exemption for 10 years - for expatriate individuals relocating to Cyprus.

More Perks & Benefits
- 27 days paid annual leave
- 16 National holidays
- Parental leave
- Away days in the beautiful Mediterranean island
- Team bonding activities
- Training opportunities and professional growth
- If you love travelling, we've got you!

Location
Cyprus or within a European Union Country – flexible remote working and flexible working hours

Starting Date
April 2024 – we are open to discuss starting date.

Application
Submit your CV describing also relevant experience to the requirements: info@maaslab.org