Software Developer — Full-Stack & Platform

ROLE DESCRIPTION

Location	Teknopark İzmir, Urla / İzmir, Türkiye
Type	Full-time, on-site
Status	Always-open position

1. Role Purpose

MET Advanced Technology Systems develops AI-supported robotic automation cells, special-purpose machines and R&D projects. For the software side of these projects we are looking for developers who will work end to end on web interfaces, backend services, REST APIs, data infrastructure and platform reliability (DevOps/CI/CD).

We are a small, lean team, so we need versatile builders who can move between product work (frontend/backend) and reliability work (DevOps/CI/CD) and who take ownership of what they ship. You do not need to be perfect at both, but you must be willing to work on both.

2. Key Responsibilities

- Ship features end to end across frontend and backend.
- Design and maintain scalable, maintainable backend services and RESTful APIs with secure authentication.
- Build user-centric, responsive and accessible web interfaces.
- Design, optimise and manage relational and/or NoSQL databases.
- Integrate third-party services and external APIs to extend product capabilities.
- Identify performance bottlenecks, debug and improve systems.
- Raise software quality through code review, testing and documentation.
- Make development faster and safer through repeatable setups, scripts and CI/CD.
- Work in line with security and data-protection requirements.
- Collaborate closely with product and engineering teams and keep up with new technologies.

3. Requirements

- Degree in Computer Engineering, Software Engineering or a related field, or equivalent proven ability.
- At least 2 years of software development experience, or equivalent proven ability.
- Able to ship production work in at least one of: a Python backend (Django/Flask) or a JavaScript/TypeScript frontend (React/Vue).
- Experience designing and building RESTful APIs.
- Experience with relational (MySQL, PostgreSQL) and/or NoSQL (MongoDB, Redis) databases.

- Comfortable with Git workflows (branching, pull requests, code review).
- Experience with, or strong interest in, containerised development (Docker).
- Knowledge of HTML, CSS and modern JavaScript.
- Strong problem-solving and communication skills; able to work independently and in a team.

4. Nice to Have

- Familiarity with AI/ML principles (not necessarily training models, but understanding how AI-enabled products are built and shipped).
- Image processing and related libraries.
- Geospatial tools and concepts (maps, layers, spatial data); map libraries such as Mapbox or Leaflet.
- Cloud platforms (AWS, Azure or Google Cloud).
- WebSockets and real-time data handling; dashboards and data visualisation.
- Three.js, WebGL or other 3D visualisation technologies.
- Testing tools such as Jest, React Testing Library or Cypress.
- Contributions to open-source projects.

5. How We Work

- A lean R&D environment where your output directly affects the product.
- A strong focus on maintainable code, testing and clear communication.
- Cross-disciplinary work with robotics, automation and mechanical teams.

6. Hiring Process

1. Application form and initial review.
2. Technical interview based on real scenarios (Git, Docker, debugging, system thinking).
3. A short practical task / repository review (setup, code quality and integration).
4. Final conversation (ways of working and ownership).

7. How to Apply

> Applications are accepted only through the role-specific **Application Form** on the **metltd.net → Careers** page. Please read this role description before completing the form. Applications by telephone or unscheduled visits are not considered.
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> In the form you will be asked for your CV, GitHub/portfolio links and a short note on what you have shipped so far and what you would like to own next.