Integration and Test Engineer

Vehicle Service · Series A Team · AUX-ENG-SA-01

Reference	AUX-ENG-SA-01	**Level**	Mid-level, 4+ years
Reports to	Dr. Mamdouh Yanni, Founder and CTO	**Location**	On site in Dubai, at the first service bay and the pilot workshops
Employment	Full time, UAE employment contract	**Start**	From our Series A round

About Auxionetics

Auxionetics Artificial Intelligence L.L.C S.O.C is an IP-led robotics company in Dubai. Our patent-pending technology aims to let people and robots work safely side by side, and its first use will be the Smart Robot Mechanic: a car-service bay in which two collaborative arms will take on the repetitive, physically demanding work while a skilled technician stays in charge of every job. Six US patent applications and an international (PCT) application have been filed. We will run our own workshops in Dubai and license our Human-Robot Collaboration platform once it runs reliably in daily operation.

Why this role matters

Our targets mean nothing until they are measured on real cars. You will bring the bay together, test it on real vehicles, and produce the evidence that tells us, our safety assessor and our investors exactly how fast, accurate and reliable it is.

What you will own

- **Integration.** Integrate mechanical, electrical and software subsystems into a working bay, step by step.
- **Test plans.** Write test plans and acceptance criteria for every service procedure and safety function.
- **Vehicle testing.** Run structured tests across a fleet of test vehicles; record cycle time, accuracy, faults and interventions.
- **Data and reports.** Build the test database and dashboards, and report results honestly, good or bad.
- **Defects.** Triage, track and drive defects to closure with the engineers responsible.
- **Evidence.** Assemble the test evidence for the safety assessment and for investor milestone reports.
- **Hand-over.** Prepare acceptance tests for each new workshop and train Field Service Engineers.

Minimum qualifications

- A degree in mechanical, electrical, mechatronics or software engineering.
- 4+ years integrating and testing robotic, automation or automotive systems.
- Structured test design, measurement and root-cause analysis.
- Python for test automation and data analysis.
- Clear written English.

Preferred qualifications

- Vehicle service or automotive test experience.

- ROS 2 and robot cell commissioning.
- Hardware-in-the-loop and simulation testing.
- Experience supporting a safety assessment.

Your first year

By	What success looks like
3 months	Test plan and tooling for the next bays in place; regression tests running.
6 months	Every new bay tested on real vehicles before handover, with weekly results on cycle time, accuracy and faults.
12 months	Acceptance testing running for every new workshop, with test evidence accepted by the safety assessor.

How we work

- Safety by design. The bay will be engineered to ISO 10218-1/-2:2025 from day one; all work near robotic equipment follows a documented risk assessment and safety induction.
- **Measured, not claimed.** Targets are measured on real vehicles; simulation before hardware, review before merge.
- **Planned tools:** Python, ROS 2 tooling, test databases and dashboards, measurement instruments.

What we offer

- An early role in a company set to scale its robotic workshops, working closely with a founder who has almost 30 years of engineering experience, including 12 in Silicon Valley.
- A competitive salary; company-paid visa, work permit and health insurance; annual leave and end-of-service gratuity under UAE law.

Conditions. Every offer is conditional on the close of our Series A round, satisfactory checks, a UAE work permit, and an agreement assigning to the company the IP created in employment.

> **How to apply.** Email your CV and a short note on the most relevant system you have tested to careers@auxionetics.com, quoting AUX-ENG-SA-01. Shortlisted candidates will have a technical interview and a practical test-design exercise with Dr. Mamdouh Yanni. CVs are used only for recruitment and deleted within 12 months unless the candidate joins us. **Auxionetics is an equal-opportunity employer** and selects on merit alone.