**Staff SDET – C, Python**

**Overview:**

NIO Inc. is a pioneer and a leading company in the premium smart electric vehicle market. Founded in November 2014, NIO’s mission is to shape a joyful lifestyle. NIO aims to build a community starting with smart electric vehicles to share joy and grow together with users.

NIO designs, develops, jointly manufactures and sells premium smart electric vehicles, driving innovations in next-generation technologies in autonomous driving, digital technologies, electric powertrains and batteries. NIO differentiates itself through its continuous technological breakthroughs and innovations, such as its industry-leading battery swapping technologies, Battery as a Service, or BaaS, as well as its proprietary autonomous driving technologies and Autonomous Driving as a Service, or ADaaS. NIO’s product portfolio consists of the ES8, a six-seater smart electric flagship SUV, the ES7 (or the EL7), a mid-large five-seater smart electric SUV, the ES6 (or the EL6), a five-seater all-round smart electric SUV, the EC7, a five-seater smart electric flagship coupe SUV, the EC6, a five-seater smart electric coupe SUV, the ET9, a smart electric executive flagship, the ET7, a smart electric flagship sedan, the ET5, a mid-size smart electric sedan, and the ET5T, a smart electric tourer.

We are looking for an experienced Embedded Sr /StaffSoftware Developer Engineer in Test to help accelerate bringing a perfect experience in the eyes of NIO's users.

**Responsibilities**

• Design, develop, and actively participate in the test automation of a simulation system.

• Create and implement a robust test framework to enhance test capabilities, scalability, and facilitate diagnosis and troubleshooting.

• Collaborate with SCRUM teams to ensure the successful delivery of high-quality, functional safe compliant solutions.

• Draft specifications, test plans, and user instructions for both test equipment and test software.

• Conduct thorough analysis to identify and address test failures during the Continuous Integration/Continuous Deployment (CI/CD) process.

**Qualifications**

• BS / MS in Electrical Engineering, Computer Engineering, Computer Science or equivalent

• 5+ years of experience in Test design and automation for embedded systems.

• Excellent experience in Python & C Programing, bash scripting

• Proficient usage of Git

• Ability to successfully and effectively work within a global team environment

• Customer advocacy, strong sense of ownership regarding tasks and responsibilities

**Preferred Qualifications**

• Advanced knowledge on Linux OS Internals

• Experience in KVM virtualization, qemu and libvirt

• Experience with Docker, Jenkins and Gitlab

• Experience with different HW MCALs

• Experience with FreeRTOS & SafeRTOS

• Experience with functional safety ISO-26262 standard requirements

• Experience with communication protocols such as ETH, TCP/IP

• CAN/LIN networks, including Linux can-utils, Python libraries: python-can, CAN tools

**Compensation:**

• The US base salary range for this full-time position is $175,000 - $225,000.

• Within the range, individual pay is determined by work location and additional factors, including job-related skills, experience, and relevant education or training.

• Please note that the compensation details listed in US role postings reflect the base salary only, and do not include discretionary bonus, equity, or benefits.

**Benefits:**

Along with competitive pay, as a full-time NIO employee, you are eligible for the following benefits on the first day you join NIO:

• CIGNA EPO, HSA, and Kaiser HMO medical plans with a $0 paycheck contribution for Employee Only Coverage.

• Dental (including orthodontic coverage) and vision plan. Both provide options with a $0 paycheck contribution covering you and your eligible dependents.

• Company Paid HSA (Health Savings Account) Contribution when enrolled in the High Deductible CIGNA medical plan

• Healthcare and Dependent Care Flexible Spending Accounts (FSA)

• 401(k) with Brokerage Link option

• Company paid Basic Life, AD&D, short-term and long-term disability insurance

• Employee Assistance Program

• Sick and Vacation time

• 13 Paid Holidays a year