# CYIENT

# In-Vehicle Brake ECU Development Engineer

# 募集職種

## 採用企業名

CYIENT株式会社

#### 求人ID

1515956

#### 業種

ソフトウエア

#### 会社の種類

外資系企業

## 雇用形態

正社員

## 勤務地

神奈川県,厚木市

## 給与

経験考慮の上、応相談

## 勤務時間

9:00~18:00 (休憩1時間) 但し、弊社顧客プロジェクト業務の場合は顧客就業時間とする。

## 休日・休暇

土・日・祝 但し、弊社顧客プロジェクト業務の場合は顧客営業カレンダーとする。

#### 更新日

2025年12月02日 04:00

# 応募必要条件

# 職務経験

3年以上

## キャリアレベル

中途経験者レベル

#### 英語レベル

日常会話レベル (英語使用比率: 10%程度)

### 日本語レベル

日常会話レベル

# 最終学歴

大学卒: 学士号

### 現在のビザ

日本での就労許可が必要です

## 募集要項

# In-Vehicle Brake ECU Development Engineer

Location: Honatsugi

Japanese Level - N3 and above

Responsibilities:

- Develop detailed design specifications for in-vehicle brake ECU systems.
- Create and validate simulation models using MATLAB/Simulink to evaluate system performance and optimize control strategies.
- Design and implement control algorithms, including PI control, for precise control of hydraulic valves, motors, and other actuators.
- Develop embedded software for the ECU, including coding, testing, and debugging.
- · Conduct rigorous testing and validation of ECU functionality, performance, and safety.
- Analyze test data to identify areas for improvement and optimize system performance.
- Collaborate with cross-functional teams, including hardware engineers, system engineers, and test engineers, to ensure seamless integration of the ECU into the vehicle.
- · Stay up-to-date with the latest advancements in automotive technology and industry standards.

## スキル・資格

## Required Skills:

- Strong experience in developing chassis-based vehicle ECUs, particularly brake systems.
- · Proficiency in C programming language for embedded systems.
- · Expertise in MATLAB/Simulink for simulation and modeling.
- · Solid understanding of control theory, including PI control and other advanced control techniques.
- Knowledge of hydraulic systems and actuator control.
- Strong analytical and problem-solving skills.
- · Excellent communication and teamwork abilities.
- Fluency in English, both written and spoken.

## Desired Skills:

- Experience with model-based design and development.
- Knowledge of automotive standards and regulations, such as ISO 26262.
- Experience with tools like CANalyzer, VectorCAST, and other relevant software.

## 会社説明