

# CYIENT

## ECU Development Engineer - Automotive Brake Systems

### 募集職種

#### 採用企業名

CYIENT株式会社

#### 求人ID

1567336

#### 業種

ITコンサルティング

#### 雇用形態

正社員

#### 勤務地

神奈川県, 横浜市戸塚区

#### 給与

経験考慮の上、応相談 ~ 700万円

#### 勤務時間

In accordance with company regulations

#### 休日・休暇

In accordance with company regulations

#### 更新日

2026年04月08日 09:00

### 応募必要条件

#### 職務経験

1年以上

#### キャリアレベル

中途経験者レベル

#### 英語レベル

ビジネス会話レベル

#### 日本語レベル

日常会話レベル

#### 最終学歴

高等学校卒

#### 現在のビザ

日本での就労許可が必要です

### 募集要項

#### «Job Description & Position Highlights»

- Development work encompassing brake ECU specification formulation through simulation development and performance evaluation
- Utilize MATLAB/Simulink to apply control theory and physics/mathematics knowledge at the actual hardware level
- Engage in algorithm development critical to vehicle control, gaining high expertise and a strong sense of accomplishment
- Deepening practical skills in control and ECU domains while collaborating with customers in the Hon-Atsugi area

#### 【Job Responsibilities】

We are seeking an experienced ECU Development Engineer to lead the creation of design specifications, simulation evaluation software (using MATLAB/Simulink), and performance evaluation for automotive brake Electronic Control Units

(ECUs). This role requires a strong foundation in control systems, physics, and mathematics.

- Design Specification: Create detailed design specifications for the automotive brake ECU.
- Simulation Software: Develop simulation evaluation software, primarily using MATLAB and Simulink.
- Evaluation & Analysis: Conduct performance evaluations and summarize the results of the ECU development.
- Control System: Calculate PI control parameters and gains for the control system.
- Technical Knowledge: Apply control knowledge of hydraulic valves, motors, and other relevant components.
- Algorithm Development: Apply knowledge of physics and mathematics as algorithms are developed.

**【Employment Type】**

Full-time, Permanent Employee

**【Salary】**

Based on experience and skill level

**【Working Hours】**

In accordance with company regulations

**【Work Location】**

Customer (Moto-Atsugi)

**【Holidays & Leave】**

In accordance with company regulations

**【Benefits & Welfare】**

In accordance with company regulations

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スキル・資格

**Qualifications**

**【Required】**

- Japanese Level: N3 and above
- Automotive ECU Experience: Experience developing chassis-related automotive ECUs (e.g., brakes, motor control).
- Control Theory: Ability to calculate PI control and gains.
- Component Knowledge: Control knowledge of hydraulic valves, motors, etc.
- Foundational Knowledge: Required knowledge of physics and mathematics for algorithm development.

**【Preferred Experience】**

- Embedded Software: Experience in embedded software development (creating design documents, coding, testing, etc.).
- Programming: Proficiency in C language.
- Modeling: Experience in developing MATLAB and Simulink models.
- Language: English proficiency.

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会社説明