

# 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  
ソフトウェア

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  
2026年06月09日 07:00

### 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.
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## 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.
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## 会社説明