【バイリンガル向け】Mechatronics Engineer【IoT, CAD, PCB, メカトロニクス】

英語環境, IoT, ロボティクス, AI, A, グローバル環境

Job Information

Temp Agency
SPOTTED STAFFING Inc.

Job ID
1618850

Industry
Software

Company Type
Small/Medium Company (300 employees or less) - International Company

Non-Japanese Ratio
About half Japanese

Job Type
Permanent Full-time

Location
Tokyo - 23 Wards

Salary
7 million yen ~ 10 million yen

Work Hours
10:00-19:00

Refreshed
November 20th, 2026 09:00

General Requirements

Minimum Experience Level
Over 3 years

Career Level
Mid Career

Minimum English Level
Daily Conversation Level (Amount Used: English Only)

Minimum Japanese Level
Daily Conversation Level

Minimum Education Level
Bachelor's Degree

Visa Status
Permission to work in Japan required

Job Description

概要 / OVERVIEW

本ポジションは、物流や工場の自動化を牽引する次世代プロダクト開発に携わるメカトロニクスエンジニアの募集です。製品の構想段階から量産に至るまでの全ライフサイクルに直接関与できるため、技術的な選択や設計において非常に高い裁量と大きな影響力を持ちながらものづくりを推進できます。また、多様な専門性を持つチームと協働しながら、グローバルな環境で次世代オートメーションに挑戦できる点が魅力です。

This is a great opportunity for an aspiring mechatronics engineer to work on the development of next-gen products that drive automation in logistics and manufacturing facilities. You will be involved in the entire product lifecycle, from initial conceptualization through to mass production, giving you a high degree of autonomy and significant influence over technical choices and design decisions. Furthermore, this role offers the opportunity to collaborate with highly specialized teams and tackle the challenges of next-gen automation solution in a global environment.

業務 / KEY RESPONSIBILITIES

本ポジションでは、自社プロダクトシステムおよびそのサブシステムにおける機械部品、各種センサー、基板等の設計および統合作業を担当します。CADを用いた3Dモデルや2D詳細図面の作成をはじめ、駆動モータやセンサー類の選定・評価、試作機の組み立て・テスト、不具合発生時の原因究明と対策まで幅広く対応します。あわせて、配線レイアウトの最適化、製造・組み立てを考慮した設計、仕様書や部品表などの各種技術文書の作成にも携わっていただきます。

設計から、試作・検証、製造プロセスへの橋渡しまで、製品開発の一連のプロセスに深く関わることができるポジションです。

業務例：

- 機械部品、各種センサー、基板等の設計および統合作業
- プロトタイプ開発、検証・評価
- トラブルシューティング及び原因分析
- 詳細設計・製図（ 2 D、3D CAD)
- 各種コンポーネント選定
- 各種ドキュメンテーション（ BoM、仕様書、手順書他 ）
- 現場・サプライヤー調整 (品質保証で社内・顧客エンジニアとの調整、製造パートナーとの連携等)

In this position, you will be responsible for the design and integration of mechanical components, various sensors, and circuit boards for our proprietary product systems and their subsystems. Your scope of work will be broad, encompassing the creation of 3D models and detailed 2D drawings using CAD, the selection and evaluation of drive motors and sensors, the assembly and testing of prototypes, and the investigation and resolution of any technical issues that arise. Additionally, you will be involved in optimizing wiring layouts, designing for manufacturability and assembly, and preparing technical documentation such as specifications and bills of materials (BOMs).

This role offers the opportunity to be deeply involved in the entire product development lifecycle, from initial design and prototyping/verification through to the transition into the manufacturing process.

Key Responsibilities:

- Design and integration of mechanical components, sensors, circuit boards, etc.
- Prototype development, verification, and evaluation
- Troubleshooting and root cause analysis
- Detailed design and drafting (using 2D and 3D CAD)
- Selection of various components
- Preparation of technical documentation (BOMs, specifications, procedural manuals, etc.)
- Coordination with production sites and suppliers (e.g., liaising with internal and customer engineers regarding quality assurance, collaborating with manufacturing partners, etc.)

Required Skills

Required Skills and Experience

メカトロニクス、機械工学、電気工学、または関連分野の学士号または修士号をお持ちの方で、以下のご経験をお持ちの方：

- 機械設計の実務経験2年以上
- レイアウト設計・レビューを含む3D CADスキル(SolidWorks, Altium、KiCAD)
- 機械システム組み立ておよびプロトタイピング
- トラブルシューティング・検証業務実務
- ビジネスレベルの日本語力および日常会話レベルの英語力、**【または】**ビジネスレベルの英語力および日常会話レベルの日本語力

A successful applicant is expected to have Bachelor’s or Master’s degree in Robotics, Electrical Engineering, Mechatronics, or a related field, and possess practical experience with;

- 2 or more years of practical experience in mechanical design
- 3D CAD skills (SolidWorks, Altium, KiCAD), including layout design and review
- Mechanical system assembly and prototyping
- Experience in troubleshooting and verification
- Business-level proficiency in Japanese and conversational-level English, **[OR]** business-level proficiency in English and conversational-level Japanese

有ると望ましい経験知識 / Nice-to-Have Experience and Knowledge

- ビジネスレベルの日本語力と英語力を両方お持ちの方
- ロボティクス、オートメーション機器に関する経験
- 産業機器の安全規格（ISO/JIS）、製図規格に関する知識
- Proficiency in both Japanese and English
- Experience with robotics and automation equipment
- Knowledge of safety standards (ISO/JIS) for industrial equipment and technical drawing standards

Employee Benefits and Others

- Social insurance
- Flexible working hours and remote work available depending on team and job
- Transportation allowance
- Year-end/New Year holidays
- Paid Annual Leaves
- Casual work environment, including dress code
- Company events, etc.

Company Description