Control Development Engineer –MATLAB / Simulink / Simscape

★Relocation & Visa Support Available★

Job Information

Hiring Company
ZAMA Japan Kabushiki Kaisha

Job ID
1580132

Division
Innovation / Pre-development

Industry
Machinery

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

Non-Japanese Ratio
Majority Japanese

Job Type
Permanent Full-time

Location
Iwate Prefecture, Hachimantai-shi

Train Description
Tohoku Line4, Koma Station

Salary
5 million yen ~ 8 million yen

Work Hours
フレックスタイム制　コアタイム10:00-15:00

Holidays
年間休日124日

Refreshed
March 31st, 2026 10:00

General Requirements

Minimum Experience Level
Over 6 years

Career Level
Mid Career

Minimum English Level
Business Level (Amount Used: English usage about 75%)

Minimum Japanese Level
Daily Conversation

Minimum Education Level
Bachelor's Degree

Visa Status
No permission to work in Japan required

Job Description

≪Key Highlights of This Position≫

- Lead global control development for fuel injection and e-motor systems.
- Own control design from concept to production (MIL/SIL/HIL).
- Work with MATLAB/Simulink and model-based development tools.
- Relocation & visa support, flextime, and 124 annual holidays.

Job Summary

As a **Control Development Engineer**, you will be responsible for developing and validating control systems for fuel management systems and electric motor products. You will collaborate closely with customers and application engineering teams to understand requirements and deliver robust solutions. You will take technical ownership of control functions, guide design decisions, and support the team from concept to production.

Responsibilities

- Lead the design and development of control algorithms for gasoline fuel injection systems and electric motor drives.
- Define control concepts, system requirements, and control architecture.
- Take technical ownership of control functions from concept through production.
- Plan and lead calibration, tuning, and optimization activities.
- Lead MIL, SIL, and HIL testing and support system integration on ECUs and equipment.
- Analyze test data and drive performance, efficiency, and robustness improvements.
- Support root cause analysis and technical problem solving.
- Contribute to technical documentation and development standards.
- Execute tasks in alignment with established engineering processes.
- Implement departmental and management decisions and objectives.

Organization Structure
Japan office: 2 members
Works closely with multiple members across global offices.

【Employment Type】
Full-time Employee

【Salary Range】
JPY 8,000,000 (Commensurate with experience)

【Work Hours】
8:00 – 17:00
・Flextime system available
  - Core time: 10:00 – 15:00
  - Flexible hours: 6:00 – 10:00 / 15:00 – 21:00
・Break time: 60 minutes
・Overtime work: Yes

【Work Location Information】
ZAMA Japan Co., Ltd. – Headquarters
2-154-14 Ogata, Hachimantai City, Iwate Prefecture, Japan

・Nearest station: Ōbuke Station (JR Hanawa Line)
・Smoking policy: No smoking indoors
・Scope of changes: May be assigned to other business locations as determined by the company

【Holidays and Leave】
・Two days off per week (Saturday and Sunday), plus national holidays
  Note: Approximately two national holidays per year may be designated as working days.
・Annual paid leave: 10 days or more (granted after six months of employment)
・124 annual holidays
・Golden Week holiday
・Summer holiday (9 days)
・Year-end and New Year holiday (9 days)

Required Skills

Key Competencies/Skills

- Strong expertise in control theory and practical control system design
- Extensive experience with MATLAB / Simulink / Simscape is a must
- Strong experience with dSPACE tools
- Advanced experience with model-based development
- Strong programming skills in C / C++, Python for data analysis, and others
- Proven experience with MIL / SIL / HIL testing and validation
- Strong knowledge of CAN / CAN FD, LIN, and XCP communication
- Ability to analyze complex data sets and drive design decisions
- Good to have knowledge of internal combustion engines, fuel supply systems and electric motor control

- Effective communicator, able to collaborate across departments, external partners, and customers.
- Strong self-management and organizational skills.

Qualifications and Experience

General

- Bachelor’s or Master’s degree in Control Engineering, Electrical Engineering, Mechanical Engineering, or a related field.
- Minimum of 5 years of experience in control system development.
- Experience leading control development activities and projects.
- Comfortable working hands-on with hardware, test benches, and prototype equipment.
- Ability to work independently and communicate complex findings clearly.
- Experience collaborating with international teams and operating on a global scale.
- Self-motivated learner, open to exploring new domains.
- Strong ideation skills, with the ability to distil concepts into clear product or service propositions.
- Willingness to travel internationally for business meetings and project collaboration.
- Proficient in algorithmic, analytical, and organized approaches to problem-solving.
- Strong grasp of the physical principles underlying mechanical and electromechanical systems.

Preferred

- Ability to communicate in Cantonese (Chinese)

Company Description