

AI Imaging Software & Systems Engineer

AI-oriented software engineering, workflow automation, system integration and technical deployment for imaging-driven industrial and technical environments.

JOB TYPE	Full-time
LOCATION	Luxembourg
DEPARTMENT	Software / Imaging / Systems
REPORTS TO	Engineering Management / Technical Lead

Company Overview

Chipminds Technology is a technology-focused company delivering innovative software, intelligent digital solutions, and advanced technical integration services. Its activities cover AI-oriented applications, imaging and visual data workflows, automation, and practical system implementation for technical and industrial environments.

Position Summary

The AI Imaging Software & Systems Engineer supports the development, implementation, and maintenance of intelligent software tools, imaging-related data workflows, automation functions, and technical system integration. The role combines software development, imaging data handling, technical deployment, system support, and problem-solving in practical operating environments.

Main Responsibilities

- Develop and maintain AI-oriented software applications, scripts, and internal technical tools.
- Support software and algorithm implementation for data processing, automation, and workflow optimization.
- Contribute to imaging and visual data workflows, including preprocessing, calibration, conversion, visualization, and analysis.
- Assist with hyperspectral or multispectral data handling and validation workflows.
- Support integration between software tools, AI models, imaging devices, databases, servers, and internal systems.
- Assist in deployment, configuration, and maintenance across Linux, Windows, and Mac OS environments.
- Support software installation, server-related operations, backup procedures, user access management, and troubleshooting.
- Prepare technical documentation, workflow notes, and implementation records.

Required Profile

- Bachelor's degree or above in Computer Science, Software Engineering, Information Technology, Artificial Intelligence, Automation, Electronic Engineering, Imaging Engineering, or a related field.
- Professional experience in software development, systems engineering, automation, IT infrastructure, technical deployment, or technical support.

-
- Good knowledge of Python, with practical scripting or technical development ability.
 - Familiarity with SQL and/or Java is an advantage.
 - Good understanding of Linux, Windows, and Mac OS environments.
 - Experience in system support, troubleshooting, software installation, backup procedures, server-related operations, and user rights management.
 - Good understanding of network and enterprise connectivity fundamentals, including TCP/IP, switching, routing, secure connectivity, and reliable operations.
 - Strong analytical, problem-solving, and technical documentation skills.
 - Ability to work in a structured, reliable, and autonomous manner.
 - Interest in computer vision, image processing, imaging workflows, or related software development.

Preferred Qualifications

- Experience with AI application deployment, software automation, or technical algorithm implementation.
- Familiarity with computer vision, image processing, visual data analysis, or imaging software tools.
- Exposure to hyperspectral or multispectral data processing or validation is an advantage.
- Familiarity with Python-based technical or scientific tools for data processing and image analysis.
- Experience in software validation, technical test environments, reporting, or system integration projects.
- Familiarity with enterprise datacom and IP networking environments is an advantage.
- Formal training, certification background, or practical experience in enterprise networking or technical infrastructure is a plus.

Application

Please send your CV or application materials to admin@chipminds.lu. For company information, please visit www.chipminds.lu.