



Software Development Infrastructure Expert (gn)

The Company

To enable people to work safely in adverse environments and reduce emissions, indurad has been developing innovative sensor solutions for the world's leading raw material producers since 2008. We combine hardware, software and engineering solutions to enable the automation and digitalisation of processes and increase efficiency for our customers. For example, we can automate train and ship loaders, implement active collision protection and create 3D visualisations of machines and stored raw materials. Our specially developed radar sensors with customised software solutions can be used in harsh environmental conditions, making them perfect for the diverse and demanding requirements of the bulk materials and raw materials industry. We are a diverse team of talented, innovative people focused on making positive change at scale.

We are looking for

We are looking for an **Software Development Infrastructure Expert (gn)** at our Aachen location. You will enhance our CI, develop and maintain our internal build tools and have the opportunity to continuously optimize our software development process and deployment process to play a key role in scaling up our business. We are looking for people who identify and tackle problems on their own initiative, in coordination with our software infrastructure team. You will be thorough in your approach and always keep the core needs of the overall organisation in mind. Since most of our customer software runs on Linux and Linux-based embedded systems, you will develop close to the target environment.

Your Work Environment

Improve huge machine operations with industrial grade software

We work hard to reduce the time between development and shipment to our world-wide customers. With the support of our central built server infrastructure and our automated software tests, the development cycle time is typically in the range of days. We are committed to maintaining close feedback loops with our developer team and with the integration engineers on site to enable them to efficiently digitize and/or automate large material handling machines.

Fast development of prototypes, followed by modular implementation

Our software development team works with modern software tools and techniques, closely collaborating with the application areas, i.e., project management, product management and sales, to get fast decisions and feedback.

Work with state-of-the-art software infrastructure

We trust in modern tools like GitLab and modern development workflows that involve reviews and automated tests to allow our developers to be most efficient in problem-solving and implementation. Our code infrastructure roots on modern C++17 standards to easily adapt and create new solutions and to realize products based on software-in-the-loop tests in combination with real hardware test setups.

Your Tasks

- Operational delivery of software products:
 - Development, optimization, documentation of GitLab CI pipelines for use in internal and external projects
 - Maintenance and further development of our build server infrastructure (self-hosted)
 - Maintenance and development of infrastructure to store and ship our embedded software artifacts
 - Maintenance and development of other internal DevOps-like services (self-hosted)
 - Maintenance and debugging of systems in the field at customer sites (remote)
- Development of roadmap and architecture for modern CI/CD principles
 - with the integration of our special hardware in the field

Your Profile

- Degree in computer science, training as an IT specialist or comparable knowledge
- Very good knowledge of Python
- Good knowledge of GitLab CI
- Good knowledge of system-related development (POSIX, TCP/IP networks)
- Knowledge of shell scripting (POSIX, Bash) is recommended, knowledge of Ansible and is an advantage
- Good understanding of Linux containers and the technologies based on them (Docker) are recommended
- Knowledge of Linux system administration, knowledge of Debian GNU/Linux are advantageous, as are hypervisor solutions (VMWare, Proxmox)

What you can expect from us

- Flexible work: Early riser or night owl – thanks to home office, flexible working hours and a flexible worktime model (full or part time), you can organize your workday to your needs. A good balance between work and private life
- We offer an ergonomic workplace with a feel-good factor, drinks, free parking and enough space for your own initiative
- Direct lines to management and superiors, open communication and a relaxed dress code are a given with us. We are on a first name basis.
- We offer an optional company pension scheme, a business bike and a childcare allowance as part of the salary package

Please send your complete application documents (max. 5 MB), including your salary expectations and earliest possible starting date, by e-mail to personal@indurad.com.

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