

Senior Software Engineer (m/w/d)

Location: Aachen

With more than 30 years of experience, Power Diagnostix is the market leader in partial discharge and offers a wide range of products for portable, online, offline and monitoring solutions.



Role Summary

We are seeking a highly skilled and proactive **Senior Software Developer** to take ownership of the software lifecycle for a complex partial discharge monitoring solution for Gas Insulated Switchgear (GIS). This dynamic role requires deep technical competence, customer orientation, agile problem-solving, and strong cross-departmental collaboration to ensure project-specific customization. Expertise with cybersecurity and/or computer networks would be a major plus.

Responsibilities

Software Development & Architecture

- Design, implement, and maintain scalable software for desktop and web applications.
- Build backend systems using C# (.NET 8/Core), SignalR, gRPC, RESTful APIs.
- Develop and optimize UI/UX.
- Handle database design and integration using Entity Framework.
- Automate configuration processes using shell scripts and similar tools.
- Document features, manuals, and specifications with clarity and consistency.

Customer-Centric Customization

- Work closely with technical sales and project teams to interpret customer-specific requirements, align expectations, and deliver tailored software solutions.
- Evaluate and implement cybersecurity and IT requirements from key accounts.
- Participate in Factory Acceptance Tests (FATs) with customers to validate compliance.

Troubleshooting & Technical Support

- Provide prompt support to customers and commissioning engineers.
- Troubleshoot software issues related to data handling, UI, connectivity, or customer IT restrictions.

Requirements

Technical Skills

- **Programming Languages:** C# (.NET Core / Framework), PowerShell
- **UI Development:** Desktop- (WPF) and web-based (Blazor) UI technologies.
- **Database Management:** MySQL/MariaDB.
- **Tools:** Visual Studio, MySQL Workbench, Telerik, Entity Framework.

Experience

- Proven experience in software development (5+ years), ideally with exposure to system architecture and design responsibilities.
- Experience managing full product lifecycles, from concept to post-launch optimizations.
- Background in developing data-intensive software platforms is a plus.

Soft Skills

- Strong communication and documentation skills.
- Problem-solving mindset with an ability to translate industrial end-user needs into development tasks.
- Self-starter capable of managing shifting priorities and project scopes.

Nice to Have

- Knowledge of cybersecurity best practices in embedded or industrial systems.
- Familiarity with international customer requirements and on-site technical support.

About Power Diagnostix

Power Diagnostix is a dynamic and international company in a growing market. You will work in a field with varied tasks, flexible working hours, and performance-based compensation in a collegial working environment with a pleasant working atmosphere. After the initial training period, we will support you in your further development and encourage your individual training.

Are you interested?

Please contact us for further information and send your application, including your CV, availability, and salary expectations, by email to personal@megger.com.

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