



Center of Excellence Software Engineer |

UAN – 6F50A8

Department: Engineering

Location: Office / MVG, Inc (Warminster, PA)

Type: Full-time

About the Role

MVG is seeking a Center of Excellence Software Engineer to lead and support the design, development, integration, and sustainment of specialized 959 software solutions for advanced antenna and RCS measurement systems in a defense environment. This role combines hands-on software engineering, technical leadership, and customer-facing delivery to ensure secure, compliant, high-quality solutions aligned with program requirements. It is ideal for a driven engineer with experience in MVG 959 Spectrum software, near-field measurements, automation, and fast-paced aerospace and defense programs.

About MVG

MVG – Microwave Vision Group – is the global leader in electromagnetic field measurement solutions. With 400+ employees, offices across 4 continents, and over 25 years of consecutive growth, we help the world's most innovative companies test,

validate, and push the boundaries of wireless technology. Our mission: Testing Connectivity for a Wireless World.

Join us to shape the future.

Responsibilities

- Lead technical execution, mentorship, and career development support for engineering staff.
- Define program requirements into actionable engineering tasks, timelines, resource plans, and project milestones.
- Develop, test, debug, document, and sustain specialized software solutions for 959 systems and related defense platforms.
- Implement automation scripts and tools that improve system performance, data acquisition, and customer outcomes.
- Ensure project delivery aligns with quality, schedule, security, compliance, and customer requirements.
- Collaborate with engineering teams, program leadership, and customers to provide status updates, risk assessments, training, and technical support.
- Manage SAP project tracking, schedules, timesheets, PTO reviews, and operational barriers impacting team performance.

Requirements

- Bachelor's degree in Computer Science, Software Engineering, or a related field, or equivalent professional experience.
- Experience supporting MVG 959 systems or similar defense platforms, including specialized software solutions in regulated environments.
- Proficiency in C/C++, Python, PowerShell, or .NET for software development, automation, testing, and troubleshooting.
- Experience with the full Software Development Lifecycle (SDLC), including design, development, testing, debugging, documentation, integration, and deployment.
- Strong understanding of antenna measurement workflows, especially MVG 959 Spectrum software for near-field measurements, 3D radiation pattern analysis, and automated data acquisition for mm-wave devices.
- Ability to work effectively in fast-paced, customer-facing office, lab, and customer-site environments with approximately 25% domestic and international travel.
- Must qualify as a U.S. Person for ITAR/EAR export control compliance, including U.S. citizen, U.S. national, lawful permanent resident, refugee, or asylee status.

Nice to Have

- Technical leadership experience, including mentoring engineers, allocating resources, conducting performance evaluations, and supporting development planning.
- Experience delivering customer training, technical support, and system commissioning in aerospace, defense, antenna measurement, RCS, or EMC environments.
- Familiarity with SAP project tracking, schedule management, risk reporting, and cross-functional program coordination.
- Strong communication skills with the ability to translate complex technical topics for both technical and non-technical stakeholders.

How to Apply

Send your CV and a short cover note to careers@mvg-world.com with the subject line: 6F50A8 - Center of Excellence Software Engineer. We review applications on a rolling basis and aim to respond within two weeks. We look forward to hearing from you!

MVG - Testing Connectivity for a Wireless World

Special note: This role may require eligibility for access to classified or sensitive information under applicable national security laws. Possession of an active clearance is not required, and the company may conduct necessary background checks or request supporting documentation in compliance with applicable laws and regulations.