



Shyam kumar kothapelly

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📍 **Home:** Stockholm (Sweden)

ABOUT ME

As a System Engineer, I specialize in the entire lifecycle of industrial software systems. My work goes beyond writing code to include traveling to client sites for installation, testing the software alongside real equipment, and training the operators who will use it. I see my role as a bridge, translating between the technical world of software/hardware and the practical needs of the end-user. My goal is always to deliver robust systems that perform consistently when it matters most.

VISA/Work Status: EU Long-Term Resident Permit

WORK EXPERIENCE

🏢 **Cassioli Group Srl** – Torrita di Siena, Italy

City: Torrita di Siena | Country: Italy

System Engineer

[04/2021 – 05/2023]

- Designed and developed HMS/SCADA applications for industrial monitoring and control using C# and WPF.
- Performed System Integration & Simulation: Integrated software with PLC/SCADA systems to create a simulated environment for live data visualization, automated alerting, and comprehensive system validation before deployment.
- Led Onsite Testing & Commissioning: Traveled to client sites to lead software installation, conduct end-to-end system integration tests, and troubleshoot complex issues involving software, PLCs, and hardware.
- Validation & Troubleshooting: Diagnosed and rectified software errors and alarms by analyzing data from PLC/SCADA interfaces, ensuring system stability and performance.
- Cross-Functional Collaboration: Worked directly with mechanical engineers, electricians, and client teams to ensure successful system commissioning, demonstrating strong team spirit.
- Customer Focused Support & Training: Trained 50+ end-user operators on software operation and alarm handling, and provided ongoing remote and onsite support, minimizing system downtime and embodying a "customer first" approach.

🏢 **Freelance** – Stockholm, Sweden

City: Stockholm | Country: Sweden

Backend Developer

[11/2023 – 12/2024]

- Developed backend solutions and API endpoints for various client projects using ASP.NET Core.
- Implemented JWT authentication and authorization for API security.
- Worked with SQL Server and PostgreSQL, writing and optimizing database queries.
- Communicated directly with clients to understand requirements and implement solutions.

 **Keeada AB** – Stockholm, Sweden

City: Stockholm | Country: Sweden

Software Engineer

[01/2025 – Current]

- Contributed to the full development lifecycle of web applications using C#, ASP.NET Core, and React.
- Developed and maintained RESTful APIs, gaining experience with Azure deployment and CI/CD pipelines, ensuring reliable and repeatable software releases.
- Implemented and integrated third-party services, focusing on functional testing and system reliability.

EDUCATION AND TRAINING

Master's Degree in Electronic and Communications Engineering

University Of Siena [10/2016 – 10/2019]

City: Siena | Country: Italy

Bachelor's Degree in Electrical and Electronics Engineering

Jawaharlal Nehru Technological University Hyderabad [09/2010 – 05/2014]

City: Hyderabad | Country: India

SKILLS

Software Development: C#, ASP.NET Core, WPF, JavaScript, SQL Server

Industrial Systems: PLC/SCADA Integration, Alarm Management, Live Data Visualization

Deployment and Testing: Onsite Installation, Onsite Software Testing, System Commissioning

Support: User Training, Remote Desktop Support, Phone Support, Troubleshooting

Soft Skills: Cross-functional Collaboration, Technical Documentation, Project Coordination

Process & Tools: CI/CD (Azure DevOps), Git, Agile Methodologies, API Development (REST, Swagger)

Validation: End-to-End Validation, Test Strategy

FactoryTalk Optix (Studied platform architecture & development)

LANGUAGE SKILLS

Mother tongue(s): Telugu

Other language(s): Italian | English | Hindi

DRIVING LICENCE

Driving Licence: B