Robert Hirgau

Cluj-Napoca, Romania

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Summary

Ambitious, organised and deadline-oriented Java Developer & FlowX Process Engineer. Passionate about new technologies, always looking for progress and improving myself along the way. Very good communication skills, time management and an excelent team player with in-depth knowledge of Java Development Tools and FlowX ecosystem. I'm a dynamic person and I want to continue my career by investing in my professional development and implicitly in that of the company I work for.

Experience

Java Developer & FlowX Process Engineer @MTD Technology

October 2022 - Current

During my time @MTD technology I've been involved in learning and consolidating new knowledge in the area of backend programming. I was involved in building Java-based web applications from scratch using latest industry standards and by following SOLID principles and Design Patterns. I learned how to build a Spring-Boot application from scratch and take it to the deployment level.

As a FlowX configurations specialist I learn how to configure end to end processes using FlowX visual development environments (using the BPMN standard), integrate reusable components, business rules or process to generate state of the art web applications.

Responsibilities:
• Configure the working environment and the tools to support the daily work.
• Research and learn new Java - related technologies.
• Actively participate in an agile team for continuous development.
• Write unit & integration testes for all code functionalities.
• Learning and design database architecture.
• Learning how to develop REST full API's and how to create and send API requests.
• Write unit & integration testes for all functionalities within connectors.

Technologies and concepts:
Java • JDBC • JPA • Maven • Spring • SpringBoot • React • HTML • CSS • PostgreSQL • MySql • SQL • PostmanAPI • CleanCode • CRUD Operations • Github • IntelliJ • REST • SOLID Principles • Object-OrientedProgramming (OOP) • FlowX • BPMN

Automation Engineer @Plastteh

June 2019 - October 2022

During my time @Plastteh I've been part of production and customer success department, where I've been been responsible for developing (CNC) programmes and operate factory machines that turn raw materials into functional objects. I was also promoted to lead the whole delivery and sales for a range of products within for one of our product lines.

Responsibilities:
- Reading and interpreting technical blueprints and design models;
- Inputting the product design into the computer modeling software;
- Training new staff on machine operation procedures;

- Assure desired quality gates are reached and clients high satisfaction;
- Organize and lead one of the product line teams

Technologies and concepts:
• Esprit • Microsoft office • Catia • SolidWorks • Hass

Robotics Engineer @Bosch
February 2019 - June 2019

During my time @Bosch I've been part of Maintenance and Service department (TEF Cluj-Jucu) where I've been involved in automation, robotics, electronics and PLC programming projects. One of my key takeaways was the fact that I had the opportunity to work with one of the most advanced technologies for robotics and automation.

Responsibilities:
- Learning and understanding the product, the manufacturing process & how an automotive company works.
- Assisting and providing small assistance in the integration of new equipment (robotic deburring station, gear test station).
- Making small applications on practice stands (using pneumatic & electric equipments) both hardware and software configuration (PLC programming).

Technologies and concepts:
Electronics • Pneumatics • Automation • Robotics • Siemens PLC programming

Education

Technical University of Cluj-Napoca

Master's degree in Engineering

2018 - 2020

Technical University of Cluj-Napoca

Bachelor in Engineering and Robotics

2014 - 2018

Licenses & Certifications

Java Basic Intro - Iteahome – (2020)
IT Intro - Școala informala de IT – (2019)

Skills

Java • JDBC • JPA • Maven • Spring • SpringBoot • React • HTML • CSS • PostgreSQL • MySql • SQL • PostmanAPI • CleanCode • CRUD • Github • IntelliJ • REST • SOLID Principles • Object-OrientedProgramming (OOP) • Electronics • Pneumatics • Automation • Robotics • Siemens PLC programming • Esprit • Catia • SolidWorks • Hass