
Vágány Péter

Software Consultant

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INTRODUCTION

I have 8 years experience in small and large distributed product development teams, implementing and reviewing software according to guidelines and best practices. I have C and C++ development experience in modernising legacy codebases and implementing new features in RTOS and Linux environments. I have developed products communicating via industrial protocols and local networks, and large deployments of cloud connected devices. I'm familiar with Cybersecurity best practices, and implemented features e.g. Secure Boot, Disk Encryption, Secure Software Update, Software Signing. I'm able to debug complex problems together with the hardware team.

SKILLS

C, C++, Linux, Yocto, Security

EXPERIENCE

Koodika Oy, Finland - *Software Consultant*

May 2023 - Present

- Aidian Oy - May 2023 - Present
 - Creating and maintaining a stable and secure distribution based on Yocto and Linux, a base for medical applications. Implementing security features. Supporting team members.
 - C++, Shell Scripting, Linux, Yocto, Docker, Jenkins, Git, Code Review, Unit Testing, Software Signing, Secure Boot, Disk Encryption, Secure Software Update, Provisioning Installer, Documentation
- MAN Energy Solutions SE - June 2024 - February 2025
 - Debugging Linux kernel and C/C++ applications to unblock software stack updates
 - C, Linux, Yocto, CAN, SPI, UART DFU
- AGRAMKOW Fluid Systems A/S - March 2025
 - Cybersecurity Assessment for Production Line Equipment
 - Raspberry Pi Compute Module, IEC 62443

Etteplan Finland Oy, Finland - *Senior Software Designer*

February 2021 - April 2023

- IoT Gateway Software Development
- C, Python, JavaScript, React, Shell Scripting, Linux, Yocto, Git, GUI Development, Remote Software Signing, Secure Boot, Disk Encryption, Secure Software Update, Device Identity, Trusted Platform Module (TPM), Provisioning Installer, Documentation

RHIVA AG, Hungary - *Embedded Engineer*

August 2020 - January 2021

- Test system component development for automotive electric drive unit
- Java, C, Oscilloscope, Test Automation, Build Automation, Jenkins, Documentation

Cognex Corporation, Hungary - *Software Engineer*

September 2018 - August 2020

- Software Development for Cognex DataMan series barcode readers
- C++, Python, Shell Scripting, Linux, Yocto, Git, Docker, TeamCity, GUI Development, Test Automation, Robot Programming, Code Review, Unit Testing, Documentation, MQTT, Bluetooth, USB

Hyundai Technologies Center Hungary - *Software Engineer*

January 2017 - August 2018

- Software Development for Hyundai Electric low voltage inverter family
- C, RTOS, UART, I2C, Calibration, ADC, Temperature, Modbus, Python, Test Framework Development, GUI Development

EDUCATION

Budapest University of Technology and Economics - *MSc, Electrical Engineering*

2012 - 2017

Embedded Systems, Power Electronics

COURSES

Cyber security ISA/IEC62443 standard series introduction, CertX - 2021

ISTQB Certified Tester Foundation Level - 2017