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Senior Software Engineer

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👤 ABOUT

Experienced C++ developer owing to over 7 years of professional practice and being a programming teacher at the university. Line Manager focused on people and team management. Skilled in creating multi-platform applications including iOS, Android, Tizen and Roku both in C++ supplemented by native languages like Swift, BrightScript, JavaScript and Kotlin. Experienced in Automotive field as a result of extensive professional practice and personal interests. Good knowledge of MATLAB and Java due to prototyping and developing experience gained during internships, research work and private projects. Comprehensive thanks to two engineer degrees, master's degree, postgraduate studies, versatile courses end experience from both local and foreign companies. Communicative, open-minded, team-player, constantly self-developing, interested in project and team management.

🏢 EXPERIENCE

Senior Software Engineer, INTIVE S.A., Weather App   #

November 2019 — Present 🕐 a year

Application providing live weather channel feed extended by local forecast, weather maps and weather alerts. Supported platforms: Android TV, Tizen, Fire TV and Roku

- Based on You.I Engine One.
- Feature development and bug fixing.
- Integration of third-party analytics and IAMs (Segment, Swrve).
- Google Assistant Integration.

Senior Software Engineer, INTIVE S.A., News App

January 2020 — August 2020 🕐 8 months

Application providing news feeds for user current location in form of short VOD clips. User had also access to library of short clips, TV Series, Movies and weather live feed if available for the region. Supported platforms: iOS, tvOS, Android, Tizen, Roku, Fire TV.

- Based on You.I Engine One.
- Feature development and bug fixing.
- Integration of third-party analytics and IAMs (Segment, Comscore, Swrve).

Senior Software Engineer, INTIVE S.A., In-Car VOD App

August 2020 — September 2020 🕐 2 months

VOD app dedicated to in-car WiFi router. Allows clients to watch free Movies and TV Series when on a car.

- Based on You.I Engine One.
- Team extension to implement key features for the first release.
- Conviva Integration.

Senior Software Engineer / Service Line Manager, INTIVE S.A., Enterprise Applications

June 2018 — Present 🕐 2 years

Enterprise Applications Service Line focuses on business and process oriented, enterprise level software, covering business logic/backend and presentation layer/front-end, supporting different business processes including business critical and mission critical applications for industries like finance, telecom or high-tech.

- People Management: employee personal development, performance reviews, hiring/firing decisions, setting salaries, administration.
- Team Management: recruitment and teams ramp-up, rotation management, site management, employer branding
- Asset and Tools Management: internal tools and frameworks management, partnerships, hardware and tools management
- Expertise Management: knowledge sharing, standardisation, domain expertise, external and internal trainings
- Sales Support: pre-sales and bid management

Senior Software Engineer, INTIVE S.A., Smart Order Router

September 2017 — May 2018 ⏲ 9 months

Smart Order Router is a software server application responsible for micro-optimization of exchange order execution based on available market data. It is an algorithmic trading system which contains an engine running a set of algorithms. Most of the algorithms are tailored to perform various forms of Sweep and Post as well as tracking dark liquidity.

- Maintenance and product developement of Smart Order Router.
- Database management.
- Performing software releases to production environment.
- First line of support.

Software Engineer, INTIVE S.A., Global Compliance Engine

April 2017 — August 2017 ⏲ 5 months

Global Compliance Engine is mission critical Risk Management platform that supports Pre Trade Limit Checks and Regulatory Compliance for electronic trading applications including low latency trading covering 200+ markets across internet business applications.

- Maintenance and product development of Global Compliance Engine application.

Software Engineer / Hardware Manager, INTIVE S.A., VP2

February 2015 — November 2016 ⏲ 2 years

Extensive maintenance and product development of Infotainment System for one of the biggest automotive alliance. Product developed for multiple car platforms witch global reach. Responsible for Antitheft features and communication via CAN witch instrumental panel cluster. Alongside C/C++ development of the product, there was also a far-reaching analysis of the product behavior using Vector CANoe and 3rd party automotive component suppliers. Project driven strictly to Automotive SPICE and source code is developed according to MISRA-C.

- Maintenance and product development of Infotainment System.
- Introducing new technologies and improving process of handling hardware provided by client for test and development purposes.

Teacher, WROCLAW UNIVERSITY OF TECHNOLOGY

February 2014 — February 2015 ⏲ a year

- Object Programming
- Control Theory

Intern (Software Developer), EYEDEA RECOGNITION S.R.O.

July 2014 — August 2014 ⏲ 2 months

Individual project developed as an additional feature for the EyeDea product family. Based on the research papers from Prague University of Technology a prototype in MATLAB was created using a C++ library EyeFace and OpenCV. Next a C++ version of the program was developed. Program allows to estimate a person heart rate using a video sequence

- Prototyping in MATLAB and developing in C++ a heart rate estimation system for video sequences.
- Developing high fps interface module for eye tracking project.

Intern (Software Developer), NOKIA SIEMENS NETWORKS SP. Z O.O.

July 2011 — September 2011 ⊙ 3 months

Design and implementation of a graphical user interface and automation process for the line-of-sight propagation simulator developed by Nokia Siemens Networks Germany. Interface allowed to manage, create and edit base station settings and run the simulation without the knowledge of the simulator initialization process. Program was developed for the developer team in Nokia Siemens Networks Wroclaw and creators of the simulator in Nokia Siemens Network Germany. A simplified user interface was created for the unauthorized personnel in Nokia Siemens Networks.

- Design and implementation of user interface for line-of-sight propagation simulator of UMTS/LTE base station in MATLAB.
- Create C version of the simulator as an interface for unauthorised programmers.

🔖 PROJECTS

Intive Patronage Program , Project Leader

February 2019 — June 2019 ⊙ 5 months

The main reason of creating the Patronage Program was a need for finding an alternative to the standard internship programs. We focused on providing a maximum dose of knowledge with an optimal time occupancy of our employees – project mentors. Program gives participants the opportunity to see how a real end-to-end application development looks like under the guidance of our best professionals.

🎓 EDUCATION

Electronics/Control engineering and robotics, B.E.- Bachelor of Engineering

2008 — 2012 ⊙ 3 years

Wrocław University of Technology

IBM DB2 9.7 Academic Workshop

Electronics/Computer science, B.E.- Bachelor of Engineering

2010 — 2014 ⊙ 3 years

Wrocław University of Technology

CISCO CCNA 1   CISCO CCNA 2   LabVIEW

Electronics/Control engineering and robotics, M.Sc.– Master of Science   #

2012 — 2013 🕐 a year

Wrocław University of Technology

Kierownik zespołu - team leader, Postgraduate Studies   #

2016 — 2017 🕐 10 months

Wrocław University of Economics

</> SKILLS

Backend Development   #

C++ C Java You.I Engine One Objective-C Swift Kotlin STL Bash Multithreading REST
SOAP

Web Development   #

HTML CSS Javascript React

Database   #

SQL Oracle DB2

Testing   #

Google Test Robot Framework

Tools   #

Jira Git Subversion TeamCity Jenkins Wireshark Charles XCode
Microsoft Visual Studio 2018 Microsoft Visual Studio Code IDEA IntelliJ Eclipse
Android Studio Vector CANoe

Operating Systems   #

MacOS Unix/Linux Linux RedHat Windows iOS tvOS Android Fire OS Roku OS Tizen

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Methodologies and Standards   #

Agile Scrum Kanban Test Driven Developement Continuous integration
Continuous deployment DevOps Misra C/C++ Automotive SPICE

PUBLICATIONS

Object Tacking Algorithm using Daubechies Wavelets , Aktualne Problemy Automatyki i Robotyki, Komitet Automatyki i Robotyki Polskiej Akademii Nauk

Published on: Feb 10, 2015

Paper presents a Daubechies wavelet based object tracking method with respect to object's translation, rotation and scaling, using Hausdorff measure to find a matching pattern.

INTERESTS

Sport

MTB Downhill Tennis

Hobbies

Filmmaking Auto detailing

LANGUAGES

English, C1

German, A2