Kajetan Kurus

Programmer / Line Manager

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👤 ABOUT

Experienced C/C++ developer owing to over 6 year professional, academic practice and being a programming teacher at the university. Line Manager focused on people and team management. Good knowledge of MATLAB and Java due to prototyping and developing experience gained during internships, research work and private projects. Experienced in Automotive field as a result of extensive professional practice and personal interests. Comprehensive thanks to two engineer degrees, master 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 / Service Line Manager, INTIVE S.A., Enterprise Applications   #

June 2018 — Present 🕐 a year

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` `STL` `Bash` `Boost` `Spring` `Multithreading` `REST` `SOAP`

Web Development

`HTML` `CSS` `Javascript` `React`

Database

`SQL` `Oracle` `DB2`

Testing

`Google Test` `Robot Framework`

Tools

Jira Git Subversion TeamCity Wireshark Microsoft Visual Studio 2018
Microsoft Visual Studio Code IDEA IntelliJ Eclipse Vector CANoe

Operating Systems

Windows Unix/Linux Linux RedHat MacOS iOS

Methodologies, Standards and Frameworks

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 #