

KRZYSZTOF KAPUSTA

SENIOR SOFTWARE ENGINEER 8+ YRS EXP

Highly motivated engineer with technical education and experience in finance, travel and communication industries. I'm looking for a role where I can grow and continue to learn from other experienced team members.

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KEY SKILLS

C++ C++17, conan

Kubernetes Docker, Helm

Python Flask

Linux, Bash Git, Vim

JavaScript ES6, HTML, CSS

MongoDB

REST APIs Swagger

Jenkins CI, Grafana

PCB design KiCad

Digital electronics FreeRTOS

LANGUAGES

English fluently CAE certificate

EDUCATION

AGH University of Science and Technology Cracow, Poland
master's degree (M. Sc. Eng.)
Automatic Control and Robotics
Presidential Scholarship

INTERESTS

 **Paragliding**

 **Beer brewing**

 **Snowboard**

 **Climbing**

 **Technology**

 **Travel**

PROFESSIONAL EXPERIENCE

Senior Developer

IG KnowHow Limited · Cracow, PL Aug 2020 – Present

Online trading provider for CFDs, spread betting and Forex trading.

- Designed, developed and tested microservices for pricing components
- Modernized software stack by introducing Conan package manager to legacy projects
- Maintained pricing system of interconnected C++ applications

C++17 · Kubernetes · Conan · MongoDB · Docker · Helm · Jenkins · Linux · Prometheus

Senior Software Engineer

Sabre Poland · Cracow, PL Sep 2016 – Jul 2020

Travel company, a global distribution systems provider for air bookings.

- Developed highly available multithreaded intelligent flight search engine
- Written tools and utilities to automate everyday work for the team
- Ensured high quality of software with multilevel testing and profiling tools
- Supported and monitored applications in production in multiple datacenters

C++17 · Gtest · sanitizers · Linux · Bash · Python · Jenkins · Grafana

RF Software Engineer

Nokia Solutions and Networks · Cracow, PL Aug 2013 – Aug 2016

Telecommunications and information technology company working among other things on base stations, Small Cells and 5G networks.

- Developed and tested C++ components interacting FPGAs and ICs for Small Cells
- Designed and conducted experiments and measurements on radio hardware
- Created and tested kernel modules and drivers for Platform Services
- Introduced new test suites for the platform

C++ · Linux · kernel · Python · Bash · hardware ICs

Instructor

Creative Space · Cracow, PL Jul 2012 – Aug 2013

The company organized workshops for children, mainly focused on building and programming LEGO Mindstorms robots.

- Prepared and conducted workshops, organized tournaments
- Designed and programmed new robot constructions

PROJECTS

Wallet

Investment managing and tracking software that automatically keeps track of current prices and analyzes historical data to generate reports and validate investment strategy. */wallet*

Python · Flask · JavaScript · MongoDB · HTML · Bootstrap · fullstack

Phobos

Software to automate picking the best photo from a series based on a subjective mix of image metrics. */phobos*

C++ · Qt · OpenCV

Odin

Custom built self-driving drawing robot along with firmware and software to analyze its position and control its motion. Built as a part of my masters thesis. */odin-cnc · /odin-firmware*

C · FreeRTOS · Python · Qt · OpenCV · hardware ICs · KiCad · CAD