

CURRICULUM VITAE

Personal data

Name: **Milan Rusek**
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Education

University: Technical University in Brno
Faculty of Electrical Engineering and Informatics
Field of study Informatics and Computing.
1994 – 1999
High School: SPŠ Šumperk
Electric traction in transportation
1989 – 1994

Work experience

Period	Company	Position
2017 - current	self employe - contractor	Senior C/C++ Developer Development for companies: kiwi.com - programming sky search services backend in C++17, coroutines, cloud services, datadog, kubernetes, contract since 12/2021 to 10/2022. NCR - POS cashier app (GUI, frontend) programming in C++ and ObjectiveC++ for iOS, Xcode IDE environment, contract since 3/2021 to 12/2021. xyndata s.r.o. - SIP VoIP support for Janus, FreeSwitch configuration, webrtc library wrapper for C# in C++, contract since 7/2020 to 5/2021. C.E.E. Group Travelport a.s. - flight booking systems, cloud and Lambda functions, programming multi-thread and multi-process server application in C++14 for backend processing, using git with Gitlab, agile development, contract since 5/2018 to 6/2020. AEVI s.r.o. - payment applications, embedded applications for Verifone payment terminals and Linux environment, programming in C++, adherence to PCI DSS standards, knowledge of EMV payment solutions for contact and contactless card reader devices, longterm cooperation
2014 - 2017	Zbiroh City	Mayor of city Zbiroh
2012 - 2014	self employe - contractor	Senior Developer - lead of development Application development for GPS monitoring and monitoring for the company Monitoring RC System s.r.o., full management and security maintenance of the system. Programming in C++, Python, PHP
2010 - 2012	Wincor Nixdorf s.r.o.	Senior Developer – team leader of EFT development Leadership of a team of 6 developers, work on the development of multiplatform EFT applications for payment terminals, applications for Česká spořitelna on the Hypercom platform. Programming in C++.
2008 - 2010	Kerio Technologies, s.r.o.	Senior Developer Kerio MailServer core team, development of new mailserver features - resource planning, domain renaming, global address list, pool pool, thread pool, deadlock solutions, crashes, and bug fixing. Programming in C++.

2006 - 2007	T-Mobile Czech republic, Rating, Billing and Payment unit	C/C++ Developer Programming in C/C++ and Slang on SunOS Solaris systems, design and implementation of existing applications under Comptel EventLink v4.0 for version 5.0, troubleshooting
2001 – 2006	CCS a.s. Czech Credit Card Company	C/C++ Developer Programming in C/C++ on HP-UX systems for company authorization center, programming of network applications, intranet services, PHP, SQL (MySQL, Oracle, Informix), cryptographic systems Racal PCSM, HSM, cryptography
2000 – 2001	INT Plus, s.r.o.	PHP Developer Web portal development, PHP, C++, Shell scripting, Apache and RedHat Linux configuration.
1998 – 2000	VEMA s.r.o. Brno	Programmer OO information system G2, Visual Basic, programming in OLE / COM environment, VBA in MS Office
1995 – 1998	PVT a.s. Šumperk o.z.	Junior Programmer – analytic Design of information systems, use of LBMS Systems engineer case, programming in MS Visual C ++.

Experiences

Administrative tools:

Atlassian products (JIRA, Confluence, Bitbucket), Pmease QuickBuild, Gitlab, Github, Nagios
JIRA and Confluence I used to set up business processes and standardize company workflows. I have configured projects, a specific workflow according to the customer's requirements, implemented for various use cases. JIRA system was also integrated with other systems using REST API and webhooks. During integration, I also used various paid additional third party modules, such as Bob Swift SQL plugin, which helped me to quickly implement various reports from the DB Information System, etc. For some less demanding implementations, I used Groovy scripts.

Programming languages:

C/C++ including STL C++20 and boost libraries, JUCE library, Embedded C, PHP, Python, JavaScript, Google Script.

Databases:

MySQL, SQLite

Environments:

Gtest/Gmock, embedded devices Verifone for accepting payment cards, class/EMV, PCI/DSS, experience with porting applications into embeded environments

Operating systems:

Mac OS, Linux.

Participation in conferences, seminars, trainings

- Comptel EventLink Mediation platform – T-Mobile, Prague 2006 (training)
- CEVRO Liberal-Conservative Academy 2013-2014, Prague (one-year interdisciplinary study of economics, international relations, political degree, political marketing, law, communication and public presentation)
- Sencha Framework Essential training, 2019
- Uncle Bob's TDD and clean code trainings, 2022

Languages

English – intermediate

Interests

Computers, C and C++ programming in Linux and MacOS systems. I like music and creative work.
I like cycling and nature rides. Recently, I replaced the sport activities by working in the garden and around the family house :-)
My health is good.