

CURRICULUM VITAE

Personal data

Name: **Milan Rusek**
Birthdate: 4th of May 1975, Ostrava 1
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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: Clearstream - Deutsche Börse Group - ServiceBroker team development and support, C++ and YAMI development, deployment, since 8/2024 to 4/2025. Economia a.s. - part time cooperation since 1/2023, mailserver backend in C, PHP bindings in C++, Apache modules NCR s.r.o. - POS cashier app (GUI, frontend) programming in C++ and ObjectiveC++ for iOS, Xcode IDE environment, customer escalated issues and bugs analysis, contract since 3/2021 to 12/2021 and 1/2023 to 6/2023. Nokia - programming in C++17, system component tests, making stubs, and integration tests, embedded systems programming, yocto project configuration, bitbake, contract since 11/2021 to 12/2022. kiwi.com - flight booking system backend, programming in C++20, co-routines, Linux environment, contract since 11/2021 to 10/2022. xyndata s.r.o. - SIP VoIP support for video conferences in Janus, FreeSwitch configuration, webrtc library wrapper in C++, contract since 7/2020 to 5/2021. C.E.E. Group Travelport a.s. - flight booking system backend, 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++98 up to C++17 standards, adherence to PCI DSS standards, knowledge of EMV payment solutions for contact and contactless card reader devices, X.Pay middleware solution for POS integration
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, DB Oracle TimesTen, 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

Programming languages:

C/C++ including STL, C++ standards up to C++20 and boost libraries, JUCE library + customizations (QT library alternative), experience with GUI event-driven development, TDD with gmock and gtest libraries, Embedded C, PHP, Python, C bindings for PHP and Python, JavaScript, Google Script, build scripts in GNU make and cmake.

Administrative tools:

Atlassian products (JIRA, Confluence, Bitbucket), Github, Gitlab, Nagios

Databases:

MySQL, SQLite, Informix, Oracle

Environments:

Embedded development for Verifone and PAX payment devices, cless/EMV, application development with PCI/DSS requirements, experience with porting applications into embedded environments (migration JUCE framework for Verix OS and Prolin OS),

Operating systems:

Mac OS, Linux, Windows.

Participation in conferences, seminars, trainings

- Uncle Bob's TDD and clean code trainings, 2022 (Nokia)
- Yocto project and embedded development trainings, 2022 (Nokia)
- GSM, GPRS, LTE, 5G radio trainings, 2022 (Nokia)
- ExtJS Sencha Framework Essential training, 2019
- CEVRO Liberal-Conservative Academy 2013-2014, Prague (one-year interdisciplinary study of economics, international relations, political degree, political marketing, law, communication, and public presentation)
- Comptel EventLink Mediation platform – Prague 2006 (T-Mobile)

Languages

English – intermediate

Interests

Computers, C and C++ programming in Linux and MacOS systems, IoT, and programming for Arduino and Raspberry Pi devices.

I like swimming and cycling. My health is good.