Curriculum Vitae

Personal information

First name / Surname	**Mateusz Midor**
Address	Kraków, Polska
Telephone	Upon request
E-mail	kontakt@mateuszmidor.com
Nationality	polish
Date of birth	27 May 1986

Job profile

Summary

- Nine years of experience in software development for linux platform, mainly in C++, conducted in multinational environment, in collaboration with teams from Canada, USA, Germany, Sweden, India, China and Korea. Projects include:
  - low latency flight search engine for travel industry (1.5 year)
  - infotainment projects for automotive industry (3 years)
  - radio network controllers for telecom industry (5 years)
- Second technical leg in GO lang to better utilize multicore hardware and improve productivity in terms of manhours to deliver new functionality
- Proponent of automatization and infrastructure as a code approach
- Interested in software architecture and domain modelling
- Interested in joining projects based on GO/combination of GO and other technologies

Primary tools and technologies
GO, delve, pprof, trace
C++17, cppunit, g++, gdb, valgrind, perf
git, jenkins, eclipse, vscode, a selection of linux development tools

Secondary tools
Bash, Python, Ansible, Terraform, Docker, Kubernetes

After-hours projects

FlightFinder – a web application for finding and presenting flight connections between given airports on a map, written in GO:
https://github.com/mateuszmidor/GoStudy/tree/master/src/github.com/mateuszmidor/GoStudy/flight-finder
Features:
- find direct and indirect connections between given airports
- show all airports participating in selected connection on 3D map

PhobOS - a prototype operating system for AMD64, written from scratch in C++, with a bit of C and Assembly:
https://github.com/mateuszmidor/OsDev
Features:
- 64bit higher-half kernel
- grub2 bootable
- 2MB memory pages
- stack guard page for each kernel/user thread
- kernel space/user space
- multitasking
- elf64 support
- fat32 support
- virtual file system
- PS/2 mouse driver
- keyboard driver
- vga 320x200 driver
- terminal emulator

Work experience

Dates	December 2018 – May 2020
Employer	Sabre Poland Sp. z o. o.
Position	**C++ Developer**
Projects	• Dynamic Schedules Server

- Development of a low latency flight search engine backend
- C++17, CppUnit, Boost, Oracle SQL Developer, Eclipse, Git, Bitbucket, Jenkins

Dates	January 2016 – November 2018
Employer	Delphi Poland S. A. Kraków
Position	**C++ Developer for automotive**
Projects	• Satellite Radio Receiver for Android

- Development of satellite radio middleware, testing and integration to reference HMI app
- C++14, Java, Docker, Eclipse, Git, Jenkins

• Satellite Radio Receiver for custom-made linux distro
- Development of satellite radio as systemd service and testing
- Development of reference HMI app
- C++11, QT5, Yocto, Eclipse, Git, Jenkins

Dates	December 2014 – December 2015
Employer	Samsung Electronics Polska sp. z o. o. Kraków
Position	**C Developer for telecom**
Projects	• Cellular Mobile Networks: UMTS

- extension and maintenance of multithreaded realtime software targeted for dedicated multicore hardware under control of Linux OS; low level documentation -> implementation -> tests
- implementation of test automation framework based on Jenkins + Bash/tcl scripts
- C, Bash, Tcl, Eclipse, ClearCase

Dates	December 2010 – November 2014
Employer	Ericpol sp. z o. o. Kraków
Position	**C++/Java Developer for telecom**
Projects	• Cellular Mobile Networks: UMTS (2010 – 2012), LTE (2013 – 2014)

- UMTS/LTE implementation according to 3GPP documents
- customer support and maintenance of legacy code; from problem analysis through solution implementation to patch delivery
- system knowledge transfer: between polish and chinese teams (3 months business trip in Nanjing, China), between swedish and polish teams (3 months in Linkoping, Sweden)
- C++, RoseRT, ClearCase, Java, Eclipse, Git

Education

Master	• 2010 – 2013/Computer Science/Cracow University of Technology
Bachelor	• 2006 – 2010/Computer Science/University of Bielsko-Biala

Languages

English	• fluent written and spoken
Spanish	• un poco poquito (well, at least an attempt has been made ;))

Other

Recent trainings	• Domain Driven Design - projektowanie modeli złożonych domen https://bottega.com.pl/warsztat-ddd-modelowanie • DNA - Droga Nowoczesnego Architekta https://droganowoczesnegoarchitekta.pl/ • Advanced Distributed System Design https://learn.particular.net/courses/adsd-online
Recent books	• Język Go. Poznaj i programuj, Donovan • Programowanie w języku Go – koncepcje i przykłady, Ryer • DDD dla architektów oprogramowania, Vernon • Domain-Driven Design, Evans
Conferences I follow online	• CppCon (C++) • GopherCon (GO lang)