

Victor Gabriel Savu

Resume

+4915733664226
dev@victorsavu.eu
www.victorsavu.eu
@hi:victorsavu.eu

Experience

- Sep. 2019 **Senior Software engineer**, *Google*, Munich, ChromeOS Commercial
- Designed the foundational infrastructure and best practices to scale Android's policy framework from 70 to 1,000+ enterprise controls.
 - Co-authored the core design and architectural concepts for Android's new multiuser management.
 - Designed the end-to-end system update mechanism for ChromeOS Long-Term Support (LTS), ensuring stability and security for enterprise and education fleets.
 - Led the cross-functional coordination of new ChromeOS release channels to increase the reliability of LTS deployments across millions of devices.
 - Reduced ChromeOS update visibility latency from weeks to hours by building a centralized data aggregation service that provides version data to the Google Admin Console.
 - Served as "Test Champion," driving a culture of automation that significantly reduced regressions and increased the reliability of mission-critical features across the Android and ChromeOS ecosystems.
 - Open source work authored as vsavu@google.com for Chromium and Android.
- Jul. 2016 **Software developer**, *Ayoda*, Munich, Embedded medical documentation and assistance systems
- Jul. 2019
- Designed and deployed a specialized Yocto-based OS to support real-time 4K 60Hz video processing and low-latency graphical overlays to aid navigation during surgery.
 - Architected and implemented a versatile medical recording system and DICOM communication modules, enabling both standalone operation and large-scale deployment within complex healthcare networks.
 - Developed various server-side modules to communicate with devices and other hospital systems.
- Apr. 2015 **Research assistant**, *TUM*, Munich, Parceive: A Visualization Framework
- Jun. 2016 for Parallelization
- Developed and optimized browser based visualizations for application traces using D3.js with AngularJS to aid in software parallelization.
- Nov. 2011 **Software developer**, *Evozon*, Cluj, C/C++ development
- Jul. 2014
- Designed and developed a centralized virtual hard drive management system, enabling seamless golden image deployment across large PC fleets.
 - Reduced build times by 3x by re-engineering jom (nmake-compatible) to programmatically detect task dependencies and enable massive parallelization in a legacy codebase.

Education

- 2014 – 2016 **Master**, *TUM*, Munich, Computer Science
Thesis: “A Framework for Tagging and Analysis of Software for Parallelization”
- 2010 – 2013 **Bachelor**, *Universitatea Babeş-Bolyai*, Cluj, Computer Science
Thesis: “Centrally managed virtual hard drives”
- 2006 – 2010 **High school**, *Colegiul National “Samuel von Brukenthal”*, Sibiu, Specialization in mathematics and computer science

Skills

- Advanced C++, C, Build systems, Linux, Networking, Java, Kotlin
- Good Go, SQL, Javascript, HTML, SQL
- Prior knowledge rust, CSS, DICOM, Qt, buildroot, Python, Yocto, Gstreamer
- Software SQLite, \LaTeX , git, gcc, clang, GNU make, cmake, valgrind, gdb, strace, QtCreator, vscode, repo, cargo, zola

Publications

- 2016 **A Visualization Framework for Parallelization**, *Wilhelm, Andreas; Savu, Victor; Amadasun, Efe; Gerndt, Michael; Schüle, Tobias*, 81-85, 10.1109/VISSOFT.2016.35
- 2013 **Centrally managed virtual hard drives**, *Savu, Victor*, 187-194
ISSN 2285 – 2166

Languages

- English **C1**, *Cambridge CAE*
- German **C1**, *DSD Stufe 2*
- Romanian **C2**