Victor Gabriel Savu

Resume

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 – Jul. 2019 **Software developer**, *Ayoda*, Munich, Embedded medical documentation and assistance systems

- 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 – Jun. 2016 **Research assistant**, *TUM*, Munich, Parceive: A Visualization Framework for Parallelization

- Developed and optimized browser based visualizations for application traces using D3.js with AngularJS to aid in software parallelization.

Nov. 2011 – Jul. 2014 **Software developer**, *Evozon*, Cluj, C/C++ development

- 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 Babeș-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, Valgrind, GDB, strace, QtCreator, Visual Studio Code, 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**