

CONTACT

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LANGUAGES

- English
- French
- Russian
- Ukrainian

EDUCATION

[Polytechnic Lyceum, National Technical University of Ukraine "KPI"](#)

1998-2002

Mathematics and physics department.

Awarded diplomas for theses in mathematics and physics at the academy of science and internal conferences.

[National Technical University of Ukraine "KPI"](#)

2002-2008

Medical and engineering faculty, "Telemedicine and cybernetics in medicine" department.

Master's degree.

Awarded a diploma for a thesis on smell recognition at an internal university conference.

Dmytro Milinevskiy

Software Engineer

Building reliable systems from the kernel to distributed runtimes.

PROFESSIONAL SUMMARY

- Software engineer focused on building efficient, reliable, and resilient distributed compute and storage platforms. I bridge deep embedded-systems experience with highly scalable cloud systems.
- Built and stabilized embedded firmware, BSP, drivers, boot flows, distributed storage or synchronization runtimes, and the tooling needed to ship them reliably.
- Strongest in roles that span layers: diagnosing failures close to hardware or runtime internals, then improving packaging, build, release, or operational workflows so the same problems are easier to prevent and fix.
- Comfortable turning technically deep systems work into practical user or developer value through better operability, reproducibility, and supportability.

EXPERIENCE

[Lima](#)

[Distributed Filesystems, Linux Platform, System Bring-up and Manufacturing Tooling](#)

Apr 2015 - Dec 2017 | Paris, France

Improved the reliability and performance of the distributed filesystem, focused mainly on data-layer synchronization.

- Improved replication, transaction, garbage-collection, and performance paths so the distributed filesystem could handle very large trees with hundreds of thousands of files and directories.
- Built manufacturing tooling: hardware testbeds, firmware flashing, and device identification.
- Designed and implemented file sharing via public web gateways.

[Sequans Communications](#)

[Embedded Platforms, Firmware, OS Kernels and Build/Release Tooling](#)

Dec 2008 - Apr 2015 | Paris, France

Worked across multiple areas of the embedded wireless platform: LTE firmware, Linux and RT kernels, boot reliability, USB and networking drivers, and internal build tooling.

- Implemented JFFS2 for vxWorks in read/write mode to simplify transition from vxWorks to eCos kernel.
- Hardened boot, recovery, and flash-update so devices could recover more safely from failures.
- Optimized USB, networking, and inter-processor layers, bringing throughput closer to hardware limits.
- Implemented debugging tooling to analyze problems after device crashes.
- Built internal tooling for reproducible multi-repo firmware builds.

rPath

Linux Tooling and Customer Experience

Jul 2007 - Nov 2008 | Kyiv, Ukraine

Supported and developed rPath Linux management services.

- Helped customers diagnose and resolve package-management and appliance-management problems, and proposed concrete product fixes and improvements for common problems and requests.
- Improved performance of the Conary package manager for appliances with deep dependency trees.

SELECTED PROJECTS

Professional Projects

Distributed File Sync Platform

Helped stabilize Lima's distributed storage runtime in correctness-sensitive areas such as filesystem internals, sync and replication, transactions, and background execution, then turned it into a usable Linux product with packaging and desktop integration.

Embedded Platform and Kernel Work

Improved bring-up and reliability for embedded wireless platforms through LTE firmware and BSP work, boot and warm-boot hardening, Linux kernel integration, USB and networking drivers, and low-level debugging that made failures easier to reproduce.

Build and Tooling Infrastructure

Built internal tooling that made embedded builds more reproducible and easier to operate and diagnose in the field, covering multi-repo orchestration and recipe-driven product assembly.

Personal Projects

Codex Git Unleash MCP

Built a policy-constrained MCP server for Git and GitHub workflows, designed to let coding agents perform safe repository operations under sandbox and approval boundaries.

GitHub Notifications for macOS

Created a lightweight macOS status-bar utility for GitHub notifications with Keychain-backed authentication and native desktop notification support.

tgrep: Toy Grep that Knows What to Ignore

Implemented a recursive Rust grep utility with regex search and .gitignore awareness as a compact systems-oriented command-line tool.