VICTOR POLOZOV

Lead Software Engineer

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EXECUTIVE SUMMARY

- 25+ years in systems programming, backend, mobile, full-stack, and DevOps, with leadership delivering production-grade solutions in healthcare, education, and compiler tech.

- Proven leadership in delivering scalable, production-grade solutions in healthcare, education, and compiler tech.

- Strong academic foundation (MSc in Math) and a decade of CS/SE teaching.

- Passionate about clean design, mentoring, and cross-domain innovation.

CORE COMPETENCIES

- Software Engineering & System Architecture

- Development: C/C++, Ruby/Rails, C#/F#, Java/Kotlin, ObjC/Swift, Python

- DevOps & Infrastructure Automation

- Problem Solving & Performance Optimization

- Project & Team Leadership

CAREER SUMMARY

- **MedM Inc**   2018 – now
  Software Engineering Lead – Platform & Web Systems   *Remote*
  - Led architecture and development for backend, APIs, DBs, and web portals.
  - Scaled cross-functional engineering team 5x while establishing robust engineering practices.
  - Orchestrated integrations with external services: Garmin, call providers (Five9, Twilio), monetization (AppStore, Google Play, Stripe).
  - Implemented security improvements and audits: GDPR, HIPAA, strict security policies.
  - Delivered observability and performance improvements to sustain 100x growth.
  - Technologies: Ruby on Rails, PostgreSQL, React, jQuery, Bootstrap, etc.

- **MedM Inc**   2014 – now
  Infrastructure, DevOps & Security Lead   *Remote*
  - Maintained CI/CD pipelines for 200 projects, 6k build configurations.
  - Designed scalable cloud deployment workflows, artifact distribution, and infrastructure observability.
  - Implemented centralized role-based secrets management with HashiCorp Vault.
  - Hardened infrastructure security with strict access policies and compliant operations.
  - Tools: TeamCity, Kotlin, bash/cmd, Prometheus, Ansible, Docker, NewRelic.

- **MedM Inc**   2014 – 2020
  Mobile Client Team Lead   *St. Petersburg, Russia*
  - Organized release cycle for 500+ customers with ready-to-go apps on iOS/Android; 100 custom builds.
  - Led architecture improvements and new platform support.
  - Introduced new products: SDK, Linux Hub, IoT Hub, FHIR Hub.
  - Technologies: C++, Java/Kotlin/ObjC/Swift/C#, SQLite, internal DSLs.

- **Lanit**   2014
  Senior Developer   *St. Petersburg, Russia*
  - Automated MSSQL-to-Oracle database code and data migration for a major bank.
  - Prepared migration procedure within strict time windows.
  - Automated merging of generated and manually fixed code.
  - Technologies: F#, PL/SQL, T-SQL, sh/cmd.

- **Lanit / Bluephoenix Ltd**   2003 − 2009
  Compiler Developer   *St. Petersburg, Russia*
  - Developed human-readable COBOL code generation.
  - Implemented minimal footprint Java/JVM code generation and DFA-based optimizations.
  - Technologies: C, yacc, COBOL, Java, C++, JCL, C#.

- **Lanit**   1999 − 2014
  Software Engineering Expert / Developer   *St. Petersburg, Russia*
  - Worked on CI/CD, simulations, healthcare, and enterprise systems.

EDUCATION

- **Saint-Petersburg State University**   2006 − 2015
  Assistant Professor   *St. Petersburg, Russia*
  - Core CS/SE courses: Programming, Formal Languages, Functional Programming.
  - Mentored diploma and thesis projects, guided students in research and practical applications.
  - Curator for Software Engineering specialty, aligning curriculum with industry standards.
  - Co-organizer of student conference SPISOK (2011–2014).

- **Saint-Petersburg State University**   1998 − 2003
  MSc in Mathematics and Mechanics   *St. Petersburg, Russia*
  - Thesis: "Language for semantics analysis and abstract syntax trees transformations."

LANGUAGES

English (Upper-Intermediate), Russian (Native), Hebrew (Intermediate)