

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.
- MSc in Math and 10+ years teaching CS/SE; passionate about clean design, mentoring, and solving deep technical problems across domains.

CORE COMPETENCIES

- Software Engineering & System Architecture, DevOps & Automation, Backend & Mobile Development
- Performance Optimization, Team Leadership, CI/CD, Security, Cross-platform Solutions
- **Languages:** C/C++, Ruby, JavaScript/Typescript, SQL, C#/F#, Java/Kotlin, Python, Bash
- **Frameworks/Platforms:** Ruby on Rails, Node.js, React, .NET
- **DevOps & Tools:** Docker, TeamCity, AWS, Azure, Vault, Prometheus, Ansible, Git

EXPERIENCE

- **MedM Inc** 2014 – Present
Senior Software Engineer (Technical Lead) *Remote (US-based)*
 - Led backend and platform development for a HIPAA/GDPR-compliant RPM system: device data ingestion, patient communication, APIs, customer deployments, and EHR/Garmin/Twilio/Stripe integrations.
 - Designed and maintained CI/CD and engineering automation for 200+ projects, enabling repeatable builds, deployments, and release workflows across backend, mobile, cloud, and customer-specific environments.
 - Built internal tools, scripts, and operational workflows to automate builds, deployments, configuration, monitoring, and release processes across cloud and on-prem environments.
 - Directed mobile delivery and customization workflows for B2B healthcare products, including hundreds of delivered app builds/variants, SDKs, IoT/FHIR hubs, and offline-first synchronization.
 - Modernized C/C++ codebases and build flows with C++14/C++17, CMake, and STL/RAII patterns.
 - Held hands-on leadership roles across backend, mobile, architecture, security, DevOps, and production support.
- **Lanit-Tercom** 1999 – 2014
Senior Developer & Compiler Engineer *St. Petersburg, Russia*
 - Automated MSSQL-to-Oracle translation (F#, PL/SQL), achieving 10x cost savings compared to manual rewriting
 - Built compiler optimizations: DFA, code gen for COBOL/Java; tools: yacc, JCL, C++
 - Contributed to enterprise (Bluephoenix Ltd, FOSS, Relativity Inc), healthcare (dbMotion), and simulation systems (McGrow Hill); and various automation tools

EDUCATION & TEACHING

- **Saint Petersburg State University** 1998 – 2003
MSc, Mathematics and Mechanics Faculty *Thesis: Semantics and AST Transformations*
- **Assistant Professor** 2006 – 2015
Saint Petersburg State University *Russia*
 - Taught Formal Languages, Programming, Functional Programming; mentored thesis projects
 - Curriculum curator; SPISOK conference co-organizer (2011–2014)

LANGUAGES

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