

# VICTOR POLOZOV

Lead Software Engineer

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## EXECUTIVE SUMMARY

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- Senior Software Engineering Leader with 25+ years of experience developing complex, high-quality applications.
- Proven expertise in C++ development, mobile client solutions, medical device integration, and innovative healthcare technology.
- Known for applying solid object-oriented design principles and writing well-tested code.
- Adept at problem solving, passionate about innovation, and a collaborative team player.

## CORE COMPETENCIES

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- 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

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- **MedM Inc** 2014 – Present  
*Lead Software Engineer* *Remote / <https://www.medm.com/>*
  - Health RPM startup evolved to industry-leading B2B/B2C solution with broad device integration.
  - Held hands-on technical leadership roles across backend, mobile, architecture, security, DevOps, and production support.
  - Coached and mentored junior engineers and interns.

### Backend/Full Stack Team Tech Lead

- Led backend and platform development for a HIPAA/GDPR-compliant RPM system: device data ingestion, patient communication, APIs, multi-tenant B2B deployments, admin tools, and integrations.
- Organized processes and team work – scaled team 5x while improving engineering practices and release quality.
- Integrated external services: Garmin, Five9, Twilio, AppStore, Google Play, Stripe.
- Supported the shift toward multi-tenant B2B healthcare deployments, combining MedM Care mobile access, MedM Cloud tenant configuration, and internal/customer-facing administration tools.
- Implemented security policies and audits: GDPR, HIPAA.
- Improved performance monitoring and observability to support 100x growth in production scale.
- Technologies: Ruby on Rails, PostgreSQL, JS, jQuery, Bootstrap, etc.

### Mobile Client Team Engineering Director

- Organized mobile release workflows with a flexible customization system for B2B healthcare products across iOS, Android, SDK, Hub, and legacy platforms.
- Owned iOS build/provisioning/upload cycle and automation.
- Refactored architecture to MVP over SQLite with offline synchronization API.
- Delivered 100 customizations with CI/CD pipelines.
- Introduced SDK, Linux Hub, IoT Hub, FHIR Hub.
- Technologies: C++, Java/Kotlin, ObjC/Swift, C#, C, SQLite, BlueZ/DBus, internal DSLs.

### Security Officer

- Moved from plaintext passwords to role-based secrets management (Hashicorp Vault).
- Restricted access to critical services.
- Introduced regular security audits.

### DevOps and Automation

- 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.
- Organized mobile release and customization workflows for B2B healthcare products, supporting 100 customer-specific customizations and hundreds of delivered app builds/variants across iOS, Android, SDK, Hub, and legacy platforms.
- Built internal tools, scripts, and operational workflows to automate builds, deployments, configuration, monitoring, and release processes across cloud and on-prem environments.
- Maintained production monitoring and alerting using Prometheus, Grafana, Alertmanager, cloud provider alerts, and application error reporting.
- Supported customized deployments across AWS, Azure, and on-prem environments, balancing product architecture with customer-specific constraints.
- Tools: TeamCity, Kotlin, bash/cmd, Ansible, Docker, Prometheus, Grafana, NewRelic.

- **Lanit-Tercom**

1999 – 2014

*Senior Developer*

*St. Petersburg, Russia / <https://lanit-tercom.ru/en>*

- Automated MSSQL-to-Oracle migration for major Russian bank: migration procedure, merge automation, active F# translator dev.
- Maintained Codegen compiler for RULES language (Bluephoenix Ltd / Level 8 Tech).
- Delivered COBOL and minimal footprint Java generators, DFA optimizations.
- Migrated Algol 68 compiler to 32-bit x86.
- Reengineered RescueWare Workbench for Relativity Tech; piloted RPG parser.
- Built e-learning simulations (biology, medicine, anatomy) for Area9 / McGraw-Hill.
- Developed regional utility payment system (3M+ subscribers, real-time).
- CI/CD for FOSS food testing facility (Jenkins, C#, Selenium).
- Additional pilot projects, evaluations, and quality audits (2008–2014).
- Core technologies: C, C++, COBOL, yacc, Java, C#, PL/SQL, HaXe, Silverlight, etc.

## EDUCATION

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- **Saint Petersburg State University**

1998 – 2003

*MSc in Mathematics and Mechanics*

*St. Petersburg, Russia*

- Thesis: “Language for semantics analysis and abstract syntax trees transformations.”
- Advisor: Dmitry Boulytchev.

## TEACHING & MENTORING

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- **Saint Petersburg State University**

2006 – 2015

*University Lecturer*

*St. Petersburg, Russia*

- Taught core CS/SE courses: Basic Programming, Formal Languages, Functional Programming.
- Mentored diploma and thesis projects.
- Curator for Software Engineering specialty, aligning curriculum with industry standards.
- Co-organizer of student conference SPISOK (2011–2014).

## PROFESSIONAL SERVICE

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- Conference co-organiser: Student conference SPISOK (2011–2014).

## LANGUAGES

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English (Fluent), Russian (Native), Hebrew (Intermediate), French (Novice)

## ACTIVITIES & INTERESTS

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Sport: Snowboard, Slackline, Crossfit, Hiking

Other: Photography