

Daniil Rogulin

Systems Analyst • Full-Stack Developer

Moscow, Russia | danrogulin@gmail.com | +7 (988) 844-75-20

Cross-functional specialist working at the intersection of systems analysis and development. I turn complex requirements into structured, scalable, and actually usable solutions. My background spans banking, enterprise support, public-sector software, and product-focused engineering, with a current focus on system thinking, automation, BIM tooling, and AI-oriented solutions.

What I bring

System clarity: from requirements and constraints to an understandable solution model.

How I work

I do not stop at process descriptions - I help carry ideas through to a working tool and a stable outcome.

Strongest areas

Systems analysis, integrations, SQL, internal platforms, Revit plugins, and automation of complex workflows.

Core capabilities

Systems analysis

Requirements gathering and refinement, BPMN/UML, task definition, integration design, UAT support, and change acceptance.

Engineering

C#, .NET, Python, Node.js, REST APIs, SQL/PostgreSQL, Docker, WPF, WinForms, FastAPI.

BIM / Autodesk

Revit API, BIM workflow automation, model QA, documentation workflows, export tooling, and large-scale model operations.

Working style

Structured thinking, translating business logic into working tools, and strong focus on stability, usability, and maintainability.

Professional experience

11/2025 - Present

Full-Stack Developer | YugStroyInvest

- Develop and improve internal Autodesk Revit plugins using C# and .NET.
- Automate BIM workflows and work with model parameters, transactions, and WPF interfaces.
- Build integrations with external services via REST APIs and handle SQL-backed internal data workflows.
- Stack: C#, .NET 8, WPF, Revit API, SQL, REST API, AutoCAD API.

12/2024 - Present

Systems Analyst | PSB Bank

- Contribute to a large workplace migration project from Windows to Astra Linux.
- Gather and refine requirements for the new environment, analyze user scenarios, and map infrastructure constraints.
- Prepare change requests for adjacent teams, participate in testing and acceptance, and maintain project documentation.
- Tools: Jira, Confluence, SQL/PostgreSQL, BPMN, UML, Draw.io, Postman, REST/SOAP, UAT.

05/2023 - 12/2024

Lead Software Support Specialist | NPO KRISTA

- Investigated complex incidents and deviations in enterprise systems.
- Worked extensively with PostgreSQL for querying, updates, integrity checks, and root-cause analysis.
- Prepared technical documentation and enhancement requirements, and participated in patch testing and release support.

2020 - 2021

Full-Stack Developer | Logistics Headquarters of the Armed Forces of the Russian Federation

- Contributed to the development and support of internal software solutions across both backend and frontend tasks.

Selected projects

Kaskad VPN Platform | 2025 - 2026

Python, FastAPI, Docker, Flutter, WireGuard

A managed internet-access platform for organizations, built around a predefined chain of nodes. The architecture is designed for centralized control, fallback routing, and lower operational overhead compared with manual server-by-server configuration.

Outcome: Defined and aligned the central-control plus remote-node architecture, creating a foundation for further client-side development and quality-control tooling.

Apartmentography | 2025 - 2026

C#, .NET 8, WPF, Revit API, BIM

A Revit tool that calculates apartment areas according to company-specific rules and writes the result directly into model parameters. Supports safe request queuing for Revit API access and reusable presets.

Outcome: Replaced manual spreadsheet-based area transfer with a repeatable in-model workflow, reducing discrepancies between calculations and the current state of the project.

Sheet Numberer | 2025 - 2026

C#, .NET 8, WPF, Revit API

A bulk sheet-renumbering tool for Revit with grouping by discipline, custom parameters, and numbering rules. Includes a safe two-step renumbering mechanism to avoid temporary conflicts in collaborative environments.

Outcome: Reduced manual post-review work and lowered the risk of numbering collisions in shared project models.

Revit Schedule Export | 2025 - 2026

C#, .NET 8, WPF, Excel export, Revit API

A batch export tool for Revit schedules to Excel, with multiple export modes, progress tracking, operation cancellation, and persistent settings.

Outcome: Provided a repeatable .xlsx export workflow without Revit API conflicts and removed the need for manual one-by-one table handling.

Mirror Check | 2025 - 2026

C#, .NET 8, WPF, Model QA, Revit API

A model QA tool for detecting mirrored and hidden-reflected instances in the active view, full document, or linked models. Results are presented in a report table with direct navigation to elements.

Outcome: Made it possible to identify difficult-to-spot modeling issues quickly and use the findings for team-wide review and correction.

Other delivered solutions

- Sheet Duplicator - bulk duplication of sheets with views and schedules
- Room Sections - batch creation of sections based on rooms and elements
- Room-based Finishes - finish walls, floors, and ceilings from room boundaries
- Revit Sheet Copy - transfer of sheets from another RVT into the active project
- Revit Plugin Launcher - shared ribbon and plugin manager for internal toolsets
- Revit Numbering - automated numbering by schedule and view context
- Delete Rooms - cleanup of problematic rooms based on rule sets
- Copy from File - transfer of standards and templates between Revit projects
- Context Filter - contextual filtering, isolation, and bulk selection
- Baseboard Plugin - baseboard length calculation by room
- Anti-Join - bulk disabling of wall joins
- Load Family - batch loading of families into a project
- Reinforcement as a Body - display reinforcement as solid geometry
- Rebar Dimmer - automated dimensioning for area reinforcement

Writing and professional interests

Alongside project work, I explore applied AI and engineering thinking in software development. My writing focuses on how AI can become a practical tool rather than just a decorative layer, how better requirement thinking leads to stronger systems, and where fast automation ends and maintainable engineering begins.

- **Can you still understand your code while vibe-coding?** - On the line between AI-assisted convenience and loss of control over the codebase.
- **The IT talent shortage narrative vs. the reality of job search** - A personal analysis of the gap between market-level rhetoric and candidate experience.
- **AI in Revit as a working tool** - A practical look at turning an LLM into a controllable model-QA assistant inside a Revit plugin.
- **Why business often asks for the wrong solution** - On separating a requested feature from the real problem behind it.
- **Where a quick script ends and a corporate Revit enhancement begins** - On the shift from local automation to durable, supportable internal tooling.

Education and tools

Education

K.G. Razumovsky Moscow State University of Technologies and Management - Accounting, Analysis and Audit (2026).

English

B2 working proficiency.

Toolset

SQL / PostgreSQL, Python, Node.js, Git, Docker, Jira, Confluence, UML, BPMN, Postman, systems analysis, task definition, and work with large data volumes.

Positioning

A specialist who can work comfortably across requirements, system logic, and implementation. Most useful in environments where it is necessary to understand a complex process quickly, structure the solution without losing clarity, and carry it through to a working product.

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