

Vsevolod Trofimenko

Senior Systems Analyst | FinTech & Payments | API & Integration Architecture

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PROFESSIONAL SUMMARY

Senior Systems Analyst with 13+ years of experience in system analysis and solution design, including 6+ years in banking and fintech. Specialized in REST/OpenAPI, microservices, payment and merchant platforms, onboarding, authentication, subscriptions, access management, data migration and complex system integrations. Experienced in scalable distributed services, event-driven patterns, Kafka, PostgreSQL/JSONB, UML/BPMN, API contracts, error handling, retries and idempotency. Use AI-assisted Python development and coding agents for implementation, debugging, refactoring, testing and code-review iterations.

CORE SKILLS

API & Integration: REST API · OpenAPI 3.x · Swagger · Postman · Webhooks · WebSocket · gRPC/Protobuf (working familiarity) · API versioning · Idempotency
Data: SQL · PostgreSQL · JSONB · Joins · Subqueries · Aggregations · Data modeling · ERD · Data mapping · Redis
Identity & Security: OAuth 2.0 · OIDC · JWT · SSO · Keycloak · OTP · 2FA
Delivery: 0-to-1 delivery · Technical specifications · Design review · UAT/support · Production rollout · Incident analysis

Architecture: Microservices · Distributed systems · High availability · Scalability · Event-driven architecture · Async integration · Apache Kafka · Retry/fallback patterns
Analysis & Modeling: System Design · Functional/NFR requirements · UML · BPMN · Sequence diagrams · PlantUML · Legacy modernization · Data migration
Domains: FinTech · Banking · Payments · POS · Merchant platforms · Onboarding · Authentication · Subscriptions · Billing · Access management
Engineering: Git · Docker · Python (AI-assisted development) · Kibana · JMeter

PROFESSIONAL EXPERIENCE

Fortis | Senior Systems Analyst / Python Developer (AI-assisted)

Apr 2023 - Present | Israel / Remote

- Primary systems analyst for 20+ fintech services; designed ~50 REST API endpoints and contributed to ~10 external integrations across merchant onboarding, identity, payments, subscriptions, access management and reporting.
- Designed scalable workflows for merchant onboarding and authentication, Feature Access Service, subscription services, file handling and service-accounting components.
- Designed REST/OpenAPI contracts, data models, state transitions, validation, unified errors, retries, idempotency and partial-failure handling for multi-service and long-running workflows.
- Designed onboarding and sign-in using Temporal, Keycloak, email and WhatsApp OTP, Google Sign-In and 2FA, including recovery of interrupted registrations and company selection before token issuance.
- Designed payment flows and integrations with Network International, MyFatoorah and other providers: payment links, payment pages, webhooks/callbacks, status mapping and multiple payment methods.
- Designed OAuth 2.0/OIDC/JWT/SSO integrations with Twilio, Gupshup, HubSpot, Zoho, Zendesk and an AI sales assistant; reviewed API and service designs produced by other analysts.
- Used AI coding agents for Python production tasks, including implementation, debugging, refactoring, testing and code-review fixes; delivered reusable email-sending functionality and secure TOTP-related data handling.

LIFE PAY | Senior Systems Analyst

Aug 2022 - Apr 2023 | Remote

- Led systems analysis for fintech products spanning POS, e-commerce, merchant management and payment services in a microservice environment.
- Designed a Common Integration Layer and migration approach for consolidating legacy POS and e-commerce merchant environments, including entity mapping, transformation rules and target interaction flows.
- Introduced OpenAPI-first development and designed REST integrations across payment, merchant and reporting services.
- Designed the NKO Moneta integration for merchant onboarding, SBP terminal creation, payment links and merchant registry synchronization, plus a custom SPA payment page and related payment scenarios.
- Designed import/export services and transaction/fiscal-document reporting; supported delivery from requirements and architecture through testing and production.

Sber | Senior Systems Analyst / Project Manager

Dec 2019 - May 2022 | Banking

- Owned system design and release lifecycle for high-load mobile-banking services for self-employed customers, including onboarding, tax registration, tax payments and service lifecycle.
- Acted as the first analyst during migration of the Svoe Delo service to Sber's unified platform: redesigned process chains, mapped legacy and target interactions, and adapted existing logic to a distributed platform.
- Designed onboarding with intermediate states, repeated sessions, failure handling and service deactivation; integrated with internal banking systems and the Federal Tax Service.
- Coordinated mobile and system flows, application configuration, testing and canary releases through production rollout; designed for availability, resilience and controlled deployment.
- Worked across dozens of internal services and integrations, aligning target architecture and interaction contracts with participating platform teams.

Altarix | Lead Systems Analyst

Jun 2017 - Nov 2019 | Moscow / Large-scale municipal systems

- Designed REST APIs, data models and integration workflows for regional-scale information systems; worked with Kafka topics and asynchronous integration patterns.
- Investigated production and integration incidents using Kibana; worked with PostgreSQL/JSONB queries and prepared technical specifications and interaction diagrams.
- Supported developers and integration consumers, tested service behavior with JMeter and helped onboard team members.

ComLogic | Systems Analyst

Feb 2016 - Jun 2017 | Moscow

- Designed requirements, business processes and inter-agency integrations for federal information systems; prepared implementation specifications and supported testing and acceptance.

Voskhod Research Institute | Systems Analyst

Sep 2012 - Feb 2016 | Moscow

- Contributed to national electronic identity and passport systems: end-to-end process modeling, inter-system integrations, standardized data-exchange formats, technical documentation and system testing; used MySQL and Bash for data analysis.

SELECTED PROJECTS

- OpenAPI PR Guard - AI-assisted Python tool for automated OpenAPI contract review and breaking-change detection.
- Payment Reconciliation Helper - portfolio project focused on payment-data matching, discrepancy detection and operational review.

EDUCATION & DEVELOPMENT

MIREA - Russian Technological University | Specialist Diploma, Information Systems & Technologies, 2013

Professional development: System Design (2025) · Object-Oriented Analysis / UML for Systems Analysts, Luxoft (2019)

LANGUAGES

Russian - Native | English - B2 (Professional Working) | Hebrew - Elementary