Yury Kosharovskiy

Senior IT Systems Architect

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Summary

Technical lead and architect with over 20 years in software. I design platforms that run business processes at global scale. At Kuehne+Nagel I built the platform that renders and prints about 14 million documents a month, and I am moving it to AWS. I bring AI agents into team workflows and stay hands-on in architecture, infrastructure, DevOps and AI tooling. Master's degree in Automated Data Processing and Management Systems.

Skills

- Platforms and architecture: solution design, microservices, integrations, migrations from on-premise to AWS
- AWS: EC2, Lambda, DynamoDB, ElastiCache, S3, Cognito, Route 53, EKS, CloudFront, IAM
- Cloud and containers: Kubernetes, Docker, OpenShift, Oracle Cloud
- DevOps: CI/CD, Git, GitLab, Jenkins, Maven, Terraform/Terragrunt
- AI-driven work: Claude, LiteLLM, skills, agents, MCP, n8n
- Messaging and data: RabbitMQ, Kafka, Apache NiFi, PostgreSQL, MongoDB, Memcached, Redis
- Languages: Java, Spring, Spring Boot, Python, JavaScript

Experience

Senior IT Systems Architect, Corporate Output Platform, Kuehne+Nagel, Tallinn. April 2024 to present

- Lead architect of the Corporate Output Platform: about 14 million documents a month for global operations.
- Set the technical direction for a team of six (two software engineers, DevOps, QA, a system engineer and a support engineer); take part in hiring and performance reviews as a technical expert.
- Leading the platform's migration from on-premise infrastructure to AWS (EKS, Terraform, ArgoCD, Crossplane); contribute to the internal developer platform shared by six to seven teams.
- Introduced AI-driven development (own AI harness of skills, agents and MCP servers; AI-DLC): routine manual work close to zero, better design decisions and implementation. Share the practices with other teams and C-level management, including talks at internal meetups.

IT Systems Architect, Corporate Output Platform, Kuehne+Nagel. April 2022 to April 2024

- Set the technical direction and worked as an engineer in a team of four developers, one QA specialist and one system engineer.
- Designed a microservices system that lets three regional teams add country-specific customization.
- Tripled system capacity by launching processing clusters for two more regions: AMER and APAC.

Solution Architect, Corporate Output Platform, Kuehne+Nagel. September 2019 to April 2022

- Designed from scratch and led the development of a new generation of the global platform for rendering and printing about 14 million documents per month.
- Coordinated a distributed team of 3 software engineers, 2 QA and 1 DevOps.

Senior Software Engineer, Document Management, Kuehne+Nagel. September 2017 to September 2019

- Designed and prototyped a service for reliable, idempotent, duplicate-free processing and storage of more than 1M documents per day.
- Improved the quality of the existing solution and brought the first release closer.
- Interviewed and onboarded 3 external engineers (2 developers, 1 DevOps) and mentored them.

Software Engineer, Telecom Services Fulfillment, Netcracker, St. Petersburg. April 2016 to September 2017

- Fixed critical bugs and improved reliability of the solution for the second-largest telecom company in Australia.
- Helped QA assess issues and closed gaps in design documents together with business analysts.

Software Engineer, GEOLINK Technologies, St. Petersburg (internal projects for Applied Materials, USA). May 2012 to April 2016

- Built a framework that runs the same PHP code four ways: CLI, source code, HTTP, task scheduler.
- Built a .NET ClickOnce desktop client for the Release Planning Tool API and a local snapshot of an IBM ClearCase repository.
- Helped the team migrate IBM Lotus Notes entities to Atlassian Jira during a one-month business trip to the Applied Materials office in California.

Web Developer, Cbonds, St. Petersburg. April 2006 to May 2012

- Built data parsers, report generation, personalized e-mail dispatch and a task tracking system for a financial data company.

Software Developer, PDR Network (part-time, remote). 2009 to 2010

- Worked on Drupal-based and .NET business applications in an international team.

Web Developer, WebDom.net, St. Petersburg. September 2004 to April 2006

- Built modules for customer websites: catalogs, forms, forums, shopping carts.

Side projects

- **Star Ninja** (stars.2pm.ninja), 2026: a night-sky planner taken from market research to production by a team of AI agents through spec-driven development, with an MCP server for Claude and ChatGPT.
- **AI Agents Team** (github.com/uprinter/ai-agents-team), 2026: an open-source plugin for Claude Code and Codex with six delivery roles, review gates and a spec-driven workflow.
- **OCI Kubernetes Platform** (github.com/uprinter/oci-k8s-platform), 2025: a Kubernetes platform on Oracle Cloud, written as code with OpenTofu: OKE, Gateway API, cert-manager, ExternalDNS and VPN access.

Education

Master's degree in Automated Data Processing and Management Systems. Saint Petersburg State University of Technologies and Design, 2000–2006.

Certificates

AWS Certified Developer – Associate (April 2021, expired April 2024) · AWS Certified Solutions Architect – Associate (September 2020, expired 2023) · IBM Introduction to Agile Development and Scrum (August 2025) · IBM Product Management Essentials (August 2025) · Leadership ABC (February 2026) · Public Speaking (May 2026)