

Zoran Stojanovic

Senior AI & Automation Engineer – Enterprise Agentic Workflows & Operations

Belgrade, Serbia • Remote (CET / Full US Overlap) • Ready for B2B Contractor / EOR

Kaggle Top 1.2% Expert (#734 / 61,348)

kiza101288@gmail.com kiza-portfolio.pages.dev github.com/kizabgd123 kaggle.com/kiza123123

linkedin.com/in/kizabgd123

🎯 APPLICATION TARGET: SENIOR AI & AUTOMATION ENGINEER – ENTERPRISE AGENTIC WORKFLOWS & OPERATIONS

TARGETED EXECUTIVE SUMMARY

Senior AI & Automation Engineer with 7+ years of experience building **production agentic workflows, automated PO/order quality validation systems, and intelligent case intake pipelines**. Deep engineering background combining LLMs, RAG engines (ChromaDB / Llama-3.3), and zero-trust verification runtimes that eliminate process hallucinations. Creator of **JudgeGuard**, a deterministic execution engine enforcing Layer 00-04 verification gates on automated tasks. Ranked in the **Top 1.2% worldwide on Kaggle**. Based in Belgrade (CET time zone, ideal for European multinationals like AutoStore HQ Norway, and offering seamless US overlap).

SPECIALIZED TECHNICAL STACK

- **Enterprise AI & Automation:** Multi-Agent Process Orchestration, Intelligent Case Intake & Routing, Automated Order/PO Validation, CRM/ERP System Integration, Internal Copilots.
- **LLM Tool Calling & Governance:** Function Calling, Structured JSON Extraction, Zero-Trust Execution Guards (JudgeGuard), Hallucination Prevention, Semantic Drift Auditing.
- **RAG & Document Intelligence:** ChromaDB, Vector & Keyword Hybrid Search, Dense Document Parsing, OCR/Text Extraction, Context Window Optimization.
- **Core Languages & Infrastructure:** Python, Go, TypeScript, SQL, Bash, FastAPI, Docker, Cloudflare Workers, Datadog Synthetics, Git CI/CD.

KEY FEATURED ENGINEERING & PROJECTS

JudgeGuard Enterprise Deterministic Reality Verifier

Lead Architect | GitHub: [kizabgd123/judge-guard-core-master](#)

- Architected a 4-layer runtime verification engine that eliminates AI hallucinations in automated business operations:
- **Automated Data Validation:** Pre-execution verification of input payloads and process rules.
- **Layer 3 Drift Detection:** LLM semantic drift monitor ensuring agent executions stay strictly within policy scope (<0.40 drift threshold).
- **Layer 4 Physical Reality Verification:** Verifies actual disk state, SHA256 hashes, process exit codes, and non-empty byte outputs before confirming transaction completion.
- Successfully eliminated false-positive task closures and mock execution claims in autonomous enterprise pipelines.

ResearchProAI (Usisivac-V6) — Universal Knowledge & Document Ingestion

Lead Engineer | GitHub: [kizabgd123/Usisivac-V6](#)

- Designed an automated RAG document ingestion pipeline that ingests heterogeneous technical documentation, commercial specs, and transaction logs into ChromaDB.
- Paired with Llama-3.3 for structured case summarization and a live CLI dashboard monitoring knowledge saturation and retrieval accuracy.

4-Agent Multi-Agent Collaborative Architecture

Architect & Developer | Live Demo: [Hugging Face](#)

- Built an asynchronous multi-agent coordination engine deploying 4 specialized agents:
- **Analyst Agent:** Decomposes complex incoming orders/tickets into a structured DAG.
- **Solution Agent:** Proposes the execution plan and data payload.
- **Critic & Security Agent:** Performs adversarial attacks and zero-trust validation against edge cases.
- **Aggregator Agent:** Computes weighted consensus for deterministic final action.

Diskort — Concurrent Go Automation Suite

Open Source Creator | GitHub: [kizabgd123/Diskort](#)

- Built a high-performance, concurrent automation suite in Go (**123+ GitHub Stars**) demonstrating rock-solid memory safety and zero downtime under 24/7 automated loads.

PROFESSIONAL EXPERIENCE

Senior AI & Automation Engineer | Independent Consultant & Core Architect

2023 – Present

- Designed and deployed intelligent case intake, classification, and routing agents for enterprise clients, reducing manual handling time by **75%**.
- Built automated purchase order and invoice verification pipelines that extract and reconcile line items against ERP databases with zero error tolerance.
- Deployed internal copilots and knowledge retrieval assistants, empowering support and operations teams with real-time, verified operational answers.
- Implemented strict telemetry pipelines monitoring prompt costs, latency, and agent token usage.

Lead AI Automation Engineer | Business Systems & Analytics

2020 – 2023

- Spearheaded cross-functional automation across operations, sales support, and finance systems.
- Replaced fragmented manual data entry workflows with robust Python, SQL, and Docker pipelines, achieving an **80% efficiency gain**.
- Integrated Datadog Synthetics and automated end-to-end regression testing across transactional APIs.

HONORS, AWARDS & IMPACT

- **Kaggle Notebooks Expert:** Ranked **#734 / 61,348+ worldwide (Top 1.2%)**.
- **GitHub Developer Program Member:** 60+ public & private repositories.
- **Open Source Author:** Creator of **JudgeGuard** and **Diskort** (123+ Stars).