# Andriy Oblivantsev

## Senior Software Engineer & Solution Architect

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## PROFESSIONAL SUMMARY

Senior Software Engineer & Solution Architect with **10+ years** in the internet technology field, combining software expertise with mastery of the infrastructure of reliable, scalable, and high-performance systems in clouds(AWS/Azure/Self-Hosted), like **API Services**, **AI Workflow Automation**, **Virtualization**, **Legacy Modernization** usually **Data Engineering**.

## TECHNICAL SKILLS

- **Languages**: Go, Python, TypeScript/JavaScript, C#/.NET, PHP, Java, Bash, SQL, Tcl/Tk
- **Cloud & DevOps**: AWS (Lambda, ECS, Fargate, S3), Azure, GCP, Kubernetes, Docker, Terraform, CI/CD (GitHub Actions), Linux Administration
- **Data & Storage**: PostgreSQL/PostGIS, TimescaleDB, Redis, Elasticsearch, Kafka, DuckDB, SQLite, MinIO, Data Migration
- **Architecture & Design**: Microservices, Event-Driven, Serverless, Domain-Driven Design (DDD), Clean Architecture, Legacy Modernization
- **AI & Automation**: LLM Hosting/Integration, MCP, NLP, OCR, RAG, N8N, Data Depersonalization, GDPR-compliant Strategies
- **Web & Tools**: React, Vue.js, Node.js, Bun, Deno, Vite, Git, Cargo, Networking (TCP/IP, SSH, VPN/WireGuard), Nginx(SSL, rev./direct proxy)

## PROFESSIONAL EXPERIENCE

### Senior Software Engineer & Solution Architect

Freelance │ *Feb 2025 - Present* │ *Tenerife, Spain / Remote*

- **Architected** scalable data platform using **TimescaleDB** and **hive partitioned** continuous aggregation, reducing query latency by **10x** for time-series analytics.
- **Built** real-time **Golang** ETL microservices achieving **sub-second** data ingestion.
- **Deployed** secure on-premise AI infrastructure (**Ollama**, **OpenWebUI**) on **Intel** GPU hardware, enabling **GDPR**-compliant internal LLM operations.
- **Established** automated **CI/CD** pipelines with **N8N**, **OnlyOffice**, **Gitea**, and **Docker**, streamlining release cycles with semantic versioning.
- **Implemented** centralized logging with **Grafana/Loki/Promtail**, unifying observability across 6+ distributed services.

### Senior Data Engineer / Mentor

Dyvenia │ *Mar 2023 - Jan 2025* │ *Tenerife, Spain / Remote*

- **Architected** enterprise data pipelines handling **10M+ records**, achieving **99.9%** data quality scores through automated validation.
- **Optimized** ETL/ELT processes, reducing data processing time by **60%** for critical business intelligence reports.
- **Achieved** infrastructure cost savings by reducing db usages, redis access optimization.

- **Mentored** 8+ data engineers, introducing **TDD**, **SemiVer** and strict coding standards that accelerated team velocity, especialy release deployments.

## Data Engineer

Immowelt AG │ *Jul 2019 - Sep 2021* │ *Nürnbeg, Germany*

- **Engineered** Golang geospatial search system for **80M+ real addresses**, served under **20 ms** responses.
- **Optimized** complex **PostgreSQL/PostGIS** queries, resulting in a **10x** performance improvement for location-based searches.
- **Migrated** legacy .NET Windows services to **AWS Serverless (Fargate, Lambda)**, dramaticaly reducing operational costs.
- **Developed** a real-time WebGIS interface using **Vue.js**, **Vuetify** and **Mapbox GL**s

## Senior GIS Software Developer / System Architect

WhereGroup GmbH │ *Mar 2014 - Feb 2018* │ *Bonn, Germany*

- **Developed** spatial data solutions for public sector clients (Deutsche Bahn, Eisenbahn Bundesamt, Vattenfall, etc) serving **1M+ users**.
- **Contributed** core features to the open-source **OSGeo Mapbender Framework**, establishing new GIS standards.
- **Built** vis-ui.js framework and geo digitaizer module, which is now highly adpated and widly used.

## EARLY CAREER & EDUCATION

- **Web Developer** - CMS development, Web Sites and Presentation Development (LAMP), JavaScript, AS3, SSH, CD, linux administration GRID GmbH (2006-2012) │
- **IT Specialist Apprenticeship - Application Development (Fachinformatiker):** D2S/Systems │ CMS development, web development (LAMP), JavaScript, SSH, CD, and Linux administration on Hetzner
- **IT Internship**: Web development (LAMP), JavaScript (2001-2003) │ D2S/Systems
- **IT Basic Course - Information & Communication Technology** │ DAA Nuremberg, Germany (2000 - 2001)

## CERTIFICATES

- **Software Developer:** BPS - Best Practice Strategies (2013)
- **IT Specialist - Application Development (Fachinformatiker):** IHK Nuremberg, Germany (2006) │ Successful apprenticeship completion

## LANGUAGES

- **German** (C1/C2)
- **English** (C1)
- **Ukrainian** (Native)
- **Russian** (Native)