

# ALEKSANDR ZALESOV

## AI-First Software Architect & Engineering Leader

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## PROFESSIONAL SUMMARY

**AI-First Software Architect & Engineering Leader** with nearly 20 years of hands-on experience building high-scale distributed systems and production AI solutions. Deep expertise in designing **AI systems, agentic workflows, and RAG pipelines**.

Contributed to industry-leading products at **SoundCloud, Zalando, and Volkswagen**. Led engineering teams at startups and scale-ups, driving technical strategy and delivering complex systems from concept to production. Specialized in bridging traditional software engineering rigor with modern generative AI to create robust, scalable products.

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## WHAT I BRING

- **AI-first development:** Customized AI software development harness for high quality and fast results.
  - Track record building and deploying **agentic systems**
  - Experience running a **SaaS product end-to-end**
  - Deep understanding of **software architecture principles**
  - Experience running **distributed and high-load systems at scale**
  - **Tech Leadership**
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## PROFESSIONAL EXPERIENCE

### Multi.dev | Remote

**Chief Everything Officer** | *Aug 2024 – Jan 2025, Aug 2025 - present*

- AI-first fullstack software development including DevOps, video rendering pipeline, backend, and UI/UX.
- Engineered an autoscaling GPU cluster on GCP for high-performance video rendering, reducing processing costs by 40% through efficient resource allocation.

- Implemented AI-driven SEO/GEO optimization strategies, increasing organic visibility.
- Led a non-technical team of customer success and marketing specialists.
- Architected and deployed an AI-powered user feedback management system using LangGraph, automating the categorization and sentiment analysis of thousands of user interactions.

## **Peec.ai | Berlin**

**Principal AI Engineer** | *Jan 2025 – Aug 2025*

- Developed core AI infrastructure for a startup, including a high-performance system to intercept and analyze ChatGPT response streams in real-time.
- Built an automated AI response categorization engine, providing deep analytics and insights into LLM behavior for enterprise clients.
- Designed and managed a distributed network of parser bots using Playwright, implementing advanced techniques to bypass bot detection and extract data from non-API LLM interfaces.
- Integrated AI analytics with Looker Studio to provide stakeholders with actionable data visualizations.

## **Beeboard GmbH | Berlin**

**Head of Engineering** | *Dec 2023 – June 2024*

- Revolutionized the development lifecycle by integrating AI into the testing pipeline, increasing test coverage (Unit, Integration, E2E) from 0% to 60% in under 6 months.
- Reduced time-to-production from 1 week to 2 days by introducing a unified development environment and optimizing CI/CD pipelines.
- Architected the refactoring of a legacy codebase on Azure, significantly improving system performance and maintainability.
- Established a comprehensive hiring framework and personal development plans for the engineering team.

## **Zapp (Quickcommerce LTD) | London/Berlin**

**Engineering Manager / Team Lead** | *June 2021 – Dec 2023*

- Integrated and fine-tuned ML models (TensorFlow) to predict delivery times with high accuracy, directly impacting operational efficiency.
- Led the development of business-critical internal tools for store operations across the UK, Netherlands, and France.

- Architected integrations with major third-party storefronts including Uber Eats and Deliveroo.

## **MOIA (Volkswagen) | Berlin/Hamburg**

**Senior Software Engineer** | *Mar 2019 – June 2021*

- Developed a real-time simulation service for fleet optimization, using ride-sharing algorithms to match supply with demand and minimize waiting times.
- Built a high-throughput simulation engine capable of running a week's worth of fleet data in minutes to test new routing logic.

## **Zalando | Berlin**

**Software Engineer (AI/Computer Vision)** | *Nov 2017 – Aug 2018*

- Developed an AI-driven product image labeling service, utilizing computer vision to automate the description and categorization of millions of items.
- Trained and deployed Computer Vision models at scale to verify image quality and compliance.
- Architected the team's data lake using Amazon Redshift and Airflow for large-scale data processing.

## **SoundCloud | Berlin**

**Software Engineer** | *Feb 2013 – Jul 2017*

- Primary developer for the canonical SoundCloud audio player across web and mobile platforms.
- Engineered an automated copyright protection pipeline that identified and processed infringing uploads in real-time.
- Managed a multi-terabyte Cassandra cluster for audio fingerprinting, ensuring high availability and low-latency lookups.

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## **OTHER PROJECTS**

### **Super-Real ([super-real.co](https://super-real.co))**

**Lead AI Developer**

- Built a web-based AI chat platform featuring celebrity avatars using RAG pipelines and fine-tuned LLMs (Llama 2) to mimic specific speech styles.

- Optimized prompt engineering and model selection to achieve human-like interaction quality.

## **Snubes ([snubes.com](https://snubes.com))**

### **AI Systems Architect**

- Developed a speech-to-text pipeline using a modified WhisperX model for high-accuracy call center transcription.
- Built an automated call analysis pipeline using VertexAI to track agent performance and sentiment.

## **Stai.chat ([stai.chat](https://stai.chat))**

### **AI Product Lead**

- Created an AI assistant for property management, integrating RAG-based FAQ handling with messengers and PMS systems.
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## **EDUCATION**

**Novosibirsk State Technical University | M.S. in Mathematics and Computer Science |**  
*2008*