

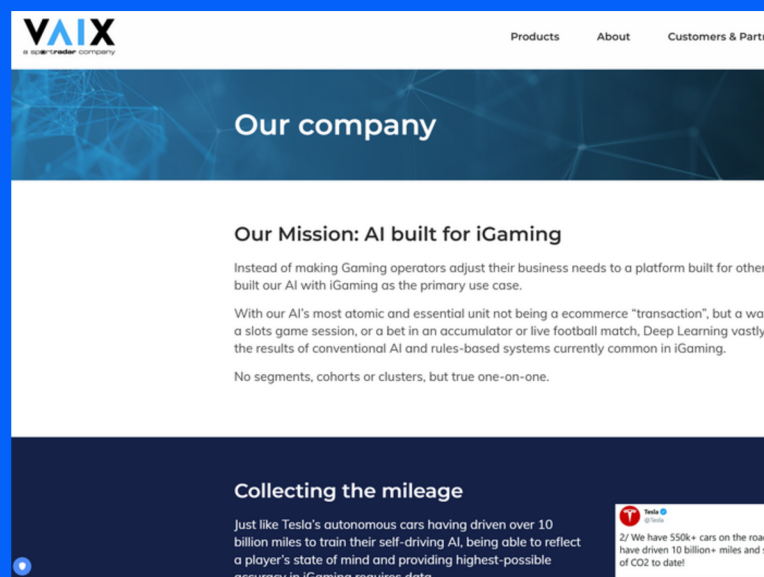
AI at Scale, Without the Downtime

How K&C engineered VAIX's fault-tolerant cloud for 24/7 personalized experiences.



About VAIX

VAIX.ai is a fast-growing AI start-up revolutionizing the B2C landscape with deeply integrated personalization tools. Their mission: to transform how consumer brands engage customers through intelligent recommender systems and AI-driven classification products. Delivering real-time, personalized digital experiences requires an infrastructure that is always available, cost-efficient, secure—and ready to scale.



**Artificial Intelligence /
Personalization**



**> 20
employees**



International



**3 Team
member**



**Docker, Kubernetes,
Jenkins & more**

Challenge

- Needed a **high-availability cloud infrastructure** to support real-time AI services.
- **Required 24/7 fault tolerance**, even during maintenance, system updates, or failures.
- Infrastructure had to be scalable to handle future growth and AI model **complexity**.
- **Cost efficiency** was essential to maintain operational sustainability.
- **Security** had to meet industry best practices for data-driven services.

Solution

- Designed and deployed a **hybrid cloud infrastructure** tailored to VAIX's AI workload.
- Implemented Kubernetes and Docker orchestration to **maximize flexibility and uptime**.
- Built a load-balanced environment using AWS Route53, NGINX, and Traefik.
- Integrated monitoring and logging stacks (ELK, Graylog, Telegraf) for real-time performance and diagnostics.
- **Ensured modularity and future-proofing** through Rancher, CEPH, and NFS for scalable storage.

Success Story

VAIX partnered with K&C to ensure their AI-driven services ran on an infrastructure as advanced as their products. Within a tight timeline, K&C delivered a robust hybrid cloud architecture, balancing flexibility with enterprise-grade reliability. The result? A high-performance environment with near-zero downtime, built to scale alongside VAIX's product innovation. This collaboration empowered VAIX to focus on their core mission—transforming e-commerce through AI—while relying on K&C to keep the engine running flawlessly.

Why K&C?



Deep Cloud Expertise: K&C's R&D team had spent over two years developing and refining fault-tolerant infrastructure principles—proven and ready to implement.



Rapid, Reliable Execution: Delivered a secure, scalable cloud solution that minimized time-to-market and eliminated major availability risks.



Advanced Tooling, Seamlessly Integrated: From Rancher and Kubernetes to Ceph and the ELK stack, K&C leveraged a best-in-class tech stack to meet VAIX's performance needs at a competitive cost.

About Krusche & Company

With over 25 years of experience, Krusche & Company (K&C) is a leading IT outsourcing provider, specializing in web and cloud technologies. Our team of 150+ IT experts operates from six offices worldwide, delivering top-notch services in UX/UI design, software development, cloud development, DevOps, quality assurance, agile project management, and cybersecurity.



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