Aron **Grünwald**

Lead Architect / Fullstack Engineer

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Summary



Software architect and senior full-stack engineer with over nine years of experience in B2B platforms, FinTech, insurance and regulated domains.
I own architecture, development, and production operations for distributed systems, with a focus on event driven systems, elastic software and AI capabilities.

Experience

Holz Disselnmeyer — *Berlin*

Lead Architect – Freelancer — *March 2023 – Present*

- Own the architecture of a platform connecting Shopware 6, Business Central, and a custom PIM for over 15,000 products
- Complex pricing and shipping models, and asynchronous order processing; implemented incremental ERP synchronization
- Built a FastAPI/React PIM with AI-assisted product editing, a virtual file system (VFS), and optimized image caching via Nginx
- Own infrastructure and operations; coordinate business requirements directly with the owner and external service providers
- Currently developing a mobile forklift navigation app with product recognition

Lelia — *Berlin*

Lead Architect – Freelancer — *December 2025 – February 2026*

- Translated financing-platform requirements into technical specifications
- Designed tenant isolation with row-level security and built a FastAPI/Supabase foundation; aligned the architecture with the founder

NaroIQ — *Berlin*

Senior Full-Stack Engineer / Architect — *April 2025 – September 2025*

- Owned the architecture of a distributed market-data platform; designed and implemented a highly available, Raft-based scheduler
- Co-designed RabbitMQ routing with the Head of Engineering: domain-specific worker pools and batching by exchange and provider
- Used Prometheus for metrics and set up Grafana for monitoring, defect analysis, and cost visibility

Flexperto — *Berlin*

Senior Full-Stack Engineer / Speech-to-Text Architecture — *June 2022 – January 2025*

- Led speech-to-text architecture from MVP to production: WebRTC, Silero VAD, RabbitMQ, and transcription on NVIDIA H100
- Achieved 150% higher throughput than the tested OSS with same WER; integrared vLLM inference and a RAG pipeline
- Built full-stack features and OpenAPI interfaces; used UML to analyze data flows and production defects

Reply Syskoplan — *Berlin*

Software Engineer — *March 2022 – June 2022*

- Built AWS App Mesh with CDK, mTLS, and network rules for automotive teams; worked on Kubernetes and Helm deployments

InterFace A.G — *Nuremberg*

Software Engineer — *June 2017 – March 2022*

- Built MVPs and event-driven systems with Quarkus, Angular, Flutter, RabbitMQ and PostgreSQL; documented with UML

Speaker

DKM, Digisurance — *Dortmund, Germany*

for Flexperto — *October 2023*

- Presented app for automated transcripts and real-time summarization in face-to-face consultations
- Demonstrated live transcription and diarization solutions for video consultations

Education

Friedrich-Alexander Universität — *Nürnberg*

M.Sc. Computer Science — *February 2019 - January 2022*

- Specialized in Operating Systems and Pattern Recognition; Master thesis on elasticity and resilience with Kubernetes, ArgoCD & Istio
- Focused on AI and IT Security; Bachelor's thesis on Java EE integration with the GitLab API

Hard Skills

Programming	SQL, Python, Java, TypeScript, JavaScript, Dart, Rust, Kotlin, PHP, C, (embedded) C++, C#, Go, Bash, Scala, Prolog
Monitoring	Prometheus, Grafana, Loki, ELK Stack, OpenTelemetry, Elasticsearch, Istio, Linkerd, Jaeger, Sentry
Frameworks	NodeJS, FastAPI, Shopware 6, Actix-web, Quarkus, Django, Flutter, Ansible, Angular, React, Molecular, NestJS, Yii 2, Flask
AI and ML	NumPy, TensorFlow, Scikit-learn, PyTorch, Huggingface Transformers, vLLM, NVIDIA CUDA/cuDNN
Paradigms	Event-Driven Architecture, Microservices, Domain-Driven Design, Service-Oriented Architecture, Entity-Control-Boundary, Clean Architecture, Test-Driven Development, Serverless
Infrastructure	AWS, Kubernetes, Helm, ArgoCD, Digital Ocean, Terraform, Ansible, PostgreSQL + GIS, MySQL, Bare Metal, Jenkins, GitLab CI/CD, Github Actions, GCP
Dev Productivity	GitHub Copilot, Claude Code, Skills, Antigravity, Prompt Engineering for Code, Metaprompting
Languages	German, English, Spanish

Zertifikate







