

Samuel Blehm

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Bern, Switzerland

devsam.io · github.com/src-dbgr

Senior Software Developer · Distributed Systems, Architecture & Security · 8+ years professional experience

SUMMARY

Senior Software Developer at Fincons Group AG, consultant on a project exclusively at SBB CFF FFS. 8+ years building production distributed systems (SAP Event Mesh, decisioning platforms, railway operations). Currently Interim Product Architect for the train information system (ZIS) across cargo and passenger flows in ART Analytics & DataHub, and Security Champion for ZIS. Stack: Java 25, TypeScript/Angular, Kafka, Kubernetes/OpenShift, ArgoCD. Speeds delivery with agentic engineering (GitHub Copilot) under human review.

SKILLS

LANGUAGES	Java 25, TypeScript, JavaScript, Python, Go, HTML/CSS
BACKEND & APIS	Spring Boot, REST, microservices, event-driven architecture
FRONTEND	Angular, React, RxJS
PLATFORM & CLOUD	Kubernetes, OpenShift, Docker, ArgoCD, Terraform, AWS, Jenkins, Maven, Git
DATA & MESSAGING	Kafka, MongoDB, SQL, RabbitMQ, Solace PubSub+
OBSERVABILITY	Prometheus, Grafana, Instana, Splunk
AI & AGENTIC	GitHub Copilot (professional) · Cursor, Claude Code (personal)
PRACTICES	SAFe, Scrum, secure SDLC, system architecture, TSI TEL compliance
DOMAINS	Cargo and passenger train information, railway operations, enterprise messaging

EXPERIENCE

Senior Software Developer Fincons Group AG

Oct 2022 - Present
Bern, CH · Project exclusively at SBB CFF FFS

- Serve as **Interim Product Architect** on the SBB engagement (since May 2026) for ZIS, owning architecture decisions and TSI TEL compliance (EU rail telecom standard) for safety-relevant cargo and passenger information flows.
- Act as **Security Champion** (since July 2026) for those train information systems in ART Analytics & DataHub, embedding secure design and vulnerability hygiene into agile delivery.
- Develop software in a nationwide train-information system (30+ Spring Boot / Kafka microservices, 80+ repositories) at up to 2,000 messages/s and 350k train updates/day on Kubernetes/OpenShift; contributed to decommissioning a nearly 60-year-old mainframe.
- Mentor new engineers and serve as a go-to engineer for complex debugging, implementation, and design questions.

Software Developer ACTICO GmbH

Dec 2021 - Sep 2022
Immenstaad, DE

- Built Spring-based REST microservices hosting and executing rule-based / ML decision models in a Scrum team (Java, Python, Angular, TypeScript, Docker).

Software Developer SAP SE

Oct 2016 - Dec 2020
Walldorf, DE

- Helped establish and extend SAP Event Mesh (Enterprise Messaging) with an international Scrum team.
- Delivered REST provisioning APIs for message brokers across >70% of SAP's global data centers, shipping releases and security patches.
- Led cross-broker message migration with an international partner for critical customer data and handled production outages for high-stakes messaging workloads.
- Implemented customer data metering foundations and built a Go statistics exporter feeding Prometheus/ Grafana with Slack alerting.

EDUCATION

B.Sc. Business Informatics University of Mannheim

Aug 2011 - Dec 2015
Mannheim, DE · Exchange: LUT, Lappeenranta, FI

Thesis on exploitative vs. explorative business-process IT · Focus: AI, Banking & IT Management

Selected continuous learning: DeepLearning.AI / Coursera - Deep Learning (1, 2, 3, 4, 5, 6), Machine Learning (7) · Portfolio devsam.io (Next.js + Strapi)