

# JULIAN SCHUBERT

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## PROFILE

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Senior Full-Stack Engineer with 5+ years of experience in Java (Spring Boot) and modern web and mobile development (TypeScript/React). Specialized in architecting, evolving, and operating scalable B2B systems, as well as offline-first apps with reliable synchronization. Experienced Tech Lead with strong ownership: sets engineering standards, automates delivery (CI/CD), and translates business requirements into robust, maintainable solutions.

## SKILLS & TECH STACK

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- **Backend & Cloud:** Java, Spring Boot, Node.js, Firebase, Supabase, Azure, PostgreSQL, MongoDB, Redis.
- **Frontend & Mobile:** TypeScript, React, Next.js, Vue.js, React Native (Expo), Tailwind CSS.
- **DevOps & Operations:** Docker, Kubernetes, Terraform, CI/CD (GitLab, GitHub Actions), Grafana/Prometheus/ELK.
- **Ways of Working:** Domain-Driven Design, Agile/Scrum, Code Reviews, Mentoring.

## PROFESSIONAL EXPERIENCE

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### Senior Full-Stack Engineer (Freelance)

07/2025 – present

*Client: EdTech startup (NDA) – mobile and web ecosystem*

- **End-to-end ownership:** End-to-end delivery (architecture, UI/UX, backend, QA) for an ecosystem of three integrated products.
- **Core learning app:** Offline-first vocabulary trainer with robust synchronization (queueing/Firestore) and the research-backed FSRS algorithm.
- **Quality & stability:** Strict type safety (Zod), clean error handling, high test coverage (Vitest), and clear standards (code reviews, guidelines).
- **Lead-gen app (funnel):** Video-based teaser app for user acquisition; focus on user experience and performance, including caching strategies.
- **Backend & media:** Serverless Firebase architecture for scalable TTS/audio generation (ElevenLabs) and media streaming.
- **Web platform & growth:** Performance-driven marketing website (Next.js) incl. SEO; analytics funnels and monetization (ads/subscriptions).
- *Tech Stack: Expo (React Native), Next.js, TypeScript, Firebase, Cloudflare CDN, TanStack Query, MMKV, Zod, Vitest.*

## IT Consultant / Tech Lead

07/2022 – 06/2025

Lufthansa Industry Solutions, Hamburg

- **Tech Lead:** Led a team in the aviation domain; established coding guidelines and conducted code reviews and architecture reviews.
- **Mentoring & consulting:** Onboarded and coached junior engineers; provided technical guidance to stakeholders in roadmap and solution planning.
- **Modernization:** Migrated monolithic structures to microservices (Spring Boot on AKS) and introduced Infrastructure as Code (Terraform).
- **DevOps & observability:** Built dashboards/monitoring (Grafana/Prometheus) and optimized CI/CD pipelines to reduce mean time to recovery (MTTR).
- *Tech Stack: Java, Spring Boot, Kubernetes (AKS), Docker, GitLab CI, Terraform, Grafana/Prometheus.*

## Software Developer

07/2020 – 06/2022

Inmed GmbH, Hamburg

- Modernized a legacy desktop application (Swing) into a modular web architecture (incl. Vue.js/React) for clinical operations (300+ tenants).
- Delivered security features (2FA, RBAC), internationalization (i18n), and improved maintainability through clear module boundaries.
- *Tech Stack: Java, Swing, Web technologies (Vue.js/React), Security (2FA/RBAC), i18n.*

## PERSONAL PROJECTS

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**AI Real Estate Platform** – AI-powered real estate platform

*ThaiCondoAI.com*

- Built semantic search (RAG) with embeddings and `pgvector` (PostgreSQL).
- Full-stack implementation including map integration, authentication, and payment integration.

*More projects, demos, and code samples: [julianschubert.dev](https://julianschubert.dev)*

## EDUCATION & CERTIFICATIONS

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**Languages:** German (native), English (C1 – fluent), Thai (A1 – basic)

**Certification:** Microsoft Certified: Azure Developer Associate (AZ-204)

01/2023