

Julian Schubert

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PROFESSIONAL SUMMARY

Senior full-stack engineer and tech lead with 5+ years of experience building cloud-native web, mobile and enterprise systems across Java/Spring Boot, TypeScript/React, React Native, Node.js, Firebase/Supabase, Azure, AWS, Kubernetes, Terraform, CI/CD and observability. Delivered mission-critical aviation, air cargo, healthcare, edtech and AI product systems. Strongest themes: backend/platform architecture, offline-first product engineering, stakeholder-facing technical consulting and applied AI products with RAG, OpenAI embeddings, PostgreSQL/pgvector, maps, auth, payments and analytics.

CORE COMPETENCIES

- Java / Spring Boot
- TypeScript / React
- React Native / Expo
- Backend architecture
- Cloud-native platforms
- Firebase / Supabase
- Kubernetes / Terraform
- CI/CD and observability
- Offline-first systems
- RAG and embeddings
- PostgreSQL / pgvector
- Technical leadership

WORK EXPERIENCE

Confidential EdTech Startup 07/2025 – Present

Senior Full-Stack Engineer / Product Engineer (Freelance) Remote

- Architected interconnected mobile and web applications for an edtech product ecosystem with React Native, Expo, TypeScript, Firebase and serverless backend services.
- Built offline-first learning flows with FSRS flashcards, streaks, progress tracking, Firestore sync queues, audio preloading and reliable cloud synchronization for weak-network conditions.
- Integrated Firebase Auth, Firestore, Storage and Cloud Functions, plus ElevenLabs TTS/audio generation and media workflows.
- Raised maintainability through strict type safety with Zod, test coverage with Vitest and disciplined code reviews.

Lufthansa Industry Solutions 07/2022 – 06/2025

IT Consultant / Tech Lead

- Led aviation and air-cargo engineering work, setting coding guidelines, running architecture/code reviews, mentoring engineers and advising stakeholders on roadmap and feasibility.
- Modernized monoliths into Spring Boot microservices using Docker, Kubernetes on AKS, OpenShift and Terraform.
- Built CI/CD pipelines with GitLab CI and Jenkins, supporting reliable weekly deployments and smoother delivery flow.
- Implemented Grafana, Prometheus and ELK observability, reducing MTTR by 40%.
- Designed and extended APIs for SmartBookingAPI and EDI integrations with freight forwarders, ecommerce partners and business systems.

Inmed GmbH 07/2020 – 06/2022

Software Developer

- Modernized a legacy Swing desktop application into modular Java/Spring/Vue/React web architecture for healthcare customers across 300+ DACH tenants.
- Delivered REST APIs, PostgreSQL schemas, dashboards, server-side processing, 2FA, RBAC, i18n, logging and unit tests with JUnit/Mockito.
- Built regulated healthcare workflows for secure data upload, quality review, reporting, patient data validation, file handling and WebSocket support chat.

SELECTED PROJECTS

ThaiCondoAI Applied AI

Founder/Lead Engineer for an AI real estate platform for Thailand condos. Scaled organically to 5,000+ active users. Built RAG search with OpenAI embeddings, PostgreSQL and pgvector; Mapbox/Supercluster/Turf.js geospatial search; Supabase RLS; Upstash Redis; Stripe; Playwright E2E; Docker, Vercel and CI/CD.

RAG, OpenAI embeddings, pgvector, Supabase, Mapbox, Redis, Stripe, Playwright

Vending Machine Finder App Full Stack

Built iOS, Android and web app for locating nearby vending machines with product availability, prices, ratings, user-submitted machines, payments, notifications and offline access.

Tamagui, Expo, Next.js, tRPC, Java, Spring, PostgreSQL, Redis, Supabase

Thai Alphabet Learning App Mobile

Built iOS learning app with 19 progressive lessons, FSRS flashcards, 200+ audio files, speech-to-text feedback, tone practice, writing practice and RevenueCat subscriptions.

React Native, Expo, SQLite, MMKV, Google Cloud Speech-to-Text, Java Spring REST API

EDUCATION

IT Specialist for Application Development

Completed 2022

Apprenticeship in application development

CERTIFICATIONS

Microsoft Certified: Azure Developer Associate (AZ-204) [Microsoft](#) 01/2023

Microsoft Azure Fundamentals (AZ-900) [Microsoft](#) 01/2023

Cisco CCNA [Cisco](#) 03/2021

SKILLS

Backend: Java, Spring Boot, Node.js, Express.js, REST APIs, WebSocket, microservices, distributed systems, EDI

Frontend/Mobile: TypeScript, JavaScript, React, React Native, Expo, Next.js, Vue.js, Tailwind CSS, Tamagui

AI/Data: PostgreSQL, pgvector, OpenAI embeddings, RAG, semantic search, Firebase, Firestore, Supabase, Redis

Cloud/DevOps: Docker, Kubernetes, AKS, OpenShift, Azure, AWS, Terraform, GitLab CI/CD, GitHub Actions, Vercel

Quality/Security: Playwright, Jest, Vitest, JUnit, Mockito, Zod, Keycloak, 2FA, RBAC, Supabase RLS, Stripe