

# Julian Schubert

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## PROFESSIONAL SUMMARY

Senior Full-Stack Software Engineer and Tech Lead with 6+ years of experience shipping production APIs, integration platforms, web/mobile products and cloud-native enterprise systems. Builds across the full stack: Java/Spring Boot and Node.js services, TypeScript React/Vue frontends, React Native apps, API/EDI integrations, CI/CD, Kubernetes, observability and production operations. At Lufthansa Cargo, shipped and operated smartBooking / Cargo Booking API flows, a Drools / Business Central Curation Engine, air-cargo EDI messaging and Centeract digital assistance applications. Combines enterprise engineering with founder-level product ownership, proven through ThaiCondoAI with 5,000+ active users, offline-first edtech apps and healthcare systems used across 300+ DACH tenants.

## SELECTED IMPACT

5,000+ active users on ThaiCondoAI

300+ DACH healthcare tenants

Technical leadership for 15 to 20 engineers

40% MTTR reduction

Revenue-critical cargo systems

## CORE COMPETENCIES

Full-stack product engineering

Java / Spring Boot APIs

TypeScript React / Vue

Node.js / Express services

Cargo APIs and integrations

Drools / Business Central

Air-cargo EDI messaging

Kubernetes / CI/CD / Observability

Applied AI / RAG products

## WORK EXPERIENCE

### Independent Product Engineering

07/2025 to Present

#### Senior Full-Stack Engineer / Product Engineer (EdTech Platform, Remote, Freelance)

- Shipped interconnected mobile and web applications for a Thai-German edtech product ecosystem.
- Built an offline-first React Native / Expo / TypeScript learning app with Firebase Auth, Firestore, Storage, Cloud Functions and Expo Router.
- Implemented FSRS spaced repetition, progressive learning paths, flashcards, streaks, progress tracking, leaderboards and audio-based learning workflows.
- Designed weak-network synchronization with local caching, update queues, Firestore queueing, audio preloading and reliable cloud sync.
- Built serverless TTS/audio workflows with ElevenLabs and enforced quality with Zod, Vitest, strict typing and code review discipline.

### Lufthansa Industry Solutions

07/2022 to 06/2025

#### Senior Full-Stack Engineer / Tech Lead (Hamburg)

- Shipped and operated full-stack components across Lufthansa Cargo digital platforms: smartBooking / Cargo Booking API, Drools / Business Central Curation Engine, operational Cargo EDI and Centeract digital assistance.
- Built Java/Spring Boot services, Node.js/Express APIs, TypeScript Vue/Vuetify/Pinia frontends, Electron tooling, REST integrations and microservices on Docker, AKS/OpenShift and Terraform-managed infrastructure.
- Delivered smartBooking / Cargo Booking API capabilities for digital air-cargo offer qualification, booking lifecycle operations, partner integrations, routing/capacity/pricing context, validation and AWB Auto Assign-related flows.
- Integrated Drools / Business Central / KIE with booking services, moving volatile product, routing, capacity, customer and operational constraints out of API code into versioned, testable, observable and rollback-capable decision logic.
- Built air-cargo EDI integration services for eAWB, eHouseManifest, PreCheck, freight acceptance, status communication and Cargo-IMP / Cargo-XML-style flows such as FWB/XFWB, FHL/XFHL and FSU/XFSU.
- Shipped Centeract application features and Express APIs for web/tablet/AR workflows, digitizing inspections, issue capture, photo documentation, reporting and operational process execution.
- Led technical quality for a team of 15 to 20 engineers through architecture reviews, code reviews, mentoring, stakeholder consulting, technical specs and delivery planning.
- Built CI/CD and observability foundations with GitLab CI, Jenkins, Grafana, Prometheus, ELK, Playwright E2E and coverage visualization for 40% lower MTTR; operated revenue-critical air freight systems in 99.9% availability environments.

### Inmed GmbH

07/2020 to 06/2022

#### Software Developer (Hamburg)

- Modernized a legacy Swing desktop application into a modular Java/Spring/Vue/React web architecture for clinical operations and medical controlling customers.
- Built healthcare software used across 300+ DACH hospital and clinic tenants, including REST APIs, PostgreSQL schemas, dashboards, frontend UIs, server-side processing and logging.
- Delivered 2FA, RBAC, i18n, secure upload/download workflows, quality dashboards, Swiss customer portal features, internal operations tooling and a WebSocket-based support chat.
- Created JUnit/Mockito tests, technical documentation, user documentation, mockups, authorization concepts and data-processing workflows.

## SELECTED PROJECTS

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### ThaiCondoAI Founder / Lead Engineer

Built and launched a public AI real estate platform for the Thailand condo market, scaling organically to 5,000+ active users. Implemented natural-language search, AI-assisted analysis, market comparisons, semantic search, geospatial maps, broker/admin dashboards, auth, payments, lead management and reliability practices.

Next.js, TypeScript, PostgreSQL, pgvector, Supabase RLS, OpenAI embeddings, Mapbox, Redis/Upstash, Stripe, Playwright, Docker, Vercel

### Thai Alphabet Learning App Mobile / EdTech

Built an iOS learning app for English-speaking Thai beginners with guided lessons, pronunciation practice, spaced repetition, speech-to-text feedback, tone exercises, 19 progressive lessons, 200+ audio files, local storage, Java Spring API support and subscriptions.

React Native, Expo, Expo Router, Google Cloud Speech-to-Text, Java Spring REST API, SQLite, MMKV, RevenueCat, Jest, EAS Build

### Vending Finder Maps Product

Built a mobile and web maps product for iOS, Android and web with GPS discovery, user-submitted locations, product/price previews, ratings, reviews, notifications, payments, offline access and a Spring/PostgreSQL/Redis backend.

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

## EDUCATION

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Apprenticeship: IT Specialist for Application Development **Hamburg**

Completed 2022

## CERTIFICATIONS

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

01/2023

Microsoft Azure Fundamentals (AZ-900) by **Microsoft**

01/2023

Cisco CCNA by **Cisco**

03/2021

## SKILLS

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**Backend:** Java, Spring Boot, Node.js, Express.js, REST APIs, WebSocket, microservices, distributed systems, API integrations, rule-driven decision services

**Frontend & Mobile:** JavaScript, TypeScript, Vue.js, React, React Native, Expo, Next.js, Quasar, Vuetify, Pinia, Nx, Tamagui, Tailwind CSS

**Rule Engines & Integration:** Drools, Business Central, KIE Server, KJAR, EDI, Cargo-IMP, Cargo-XML, FWB/FHL/FSU, message processing, validation, transformation

**Data & AI:** PostgreSQL, MySQL, MongoDB, Redis, SQLite, Supabase, Firebase, Firestore, pgvector, OpenAI embeddings, RAG, semantic search, Mapbox, Python, SQL

**Cloud & DevOps:** Docker, Kubernetes, AKS, OpenShift, Azure, AWS, Terraform, GitLab CI/CD, GitHub Actions, Jenkins, Maven, Vercel, ELK, Grafana, Prometheus

**Quality & Security:** JUnit, Mockito, Jest, Vitest, Playwright, Zod, ESLint, code reviews, architecture reviews, Keycloak, Firebase Auth, Supabase Auth, RLS, 2FA, RBAC