

# Sebastian Flor

Full Stack Engineer · AI-Native · Tech Lead

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Remote-first / Relocatable

## PROFILE

Pragmatic, product-focused full-stack engineer with 12+ years of experience across agency, product, and AI-native environments. I ship fast, iterate fast, and lead teams to do the same. Extreme Programming isn't a methodology I follow — it's how I think.

## CORE SKILLS

### Frontend

TypeScript · React / Next.js · Angular · React Native

### Backend

Python · Node.js · GraphQL · PHP

### AI / Data

RAG Pipelines · Qdrant · MongoDB · Agentic Flows

### Infra

Docker · Kubernetes · GitLab CI · AWS

### Tooling

Git · Figma · AI-assisted workflows

## AWARDS

### Comenius EduMedia Award

2025

cornelsen.ai AI Teacher Suite

### DPR Digital Publishing Award

2024

cornelsen.ai AI Teacher Suite

## TALKS

### Neos Con 2019 · Dresden

2019

Atomic Fusion for Large Projects

[youtu.be/1By5YKMrVZA](https://youtu.be/1By5YKMrVZA)

## EDUCATION

### Mag. German Literature and Language

Johannes Gutenberg University, Mainz

2006 – 2012

## LANGUAGES

German

Native

English

Fluent

English

Intermediate

## EXPERIENCE

### Cornelsen Verlag GmbH

2026 – Present

#### Sole Developer — Student Learning App

Building a student-focused AI learning application from the ground up as sole developer. Owns the full stack: React Native (mobile), Python backend, AI engineering including agentic RAG pipelines with Qdrant, data architecture, and infrastructure on Kubernetes. Product used to test hypotheses that feed into the broader Cornelsen ecosystem.

[REACT\_NATIVE] [PYTHON] [QDRANT] [MONGODB] [K8S]

### Cornelsen Verlag GmbH

2024 – 2025

#### Senior Software Engineer · Tech Lead — AI Innovation Team

Founding member of Cornelsen's product innovation unit. Designed the frontend architecture and took on the tech lead role for a cross-functional team of 7 (2 FE, 2 BE, 1 QA, 2 AI engineers). Shipped 5 AI-powered teacher tools (cornelsen.ai) — including a RAG assistant, material designer, lesson planner, correction engine, and collaborative classroom — in under 6 months. Won the DPR Digital Publishing Award 2024 and Comenius EduMedia Award 2025.

[ANGULAR] [PYTHON] [GRAPHQL] [RAG] [GITLAB\_CI] [K8S]

### Cornelsen Verlag GmbH

2022 – 2023

#### Software Engineer — Digital Products

Developed CMS integrations and React-based search experiences for Germany's largest educational publisher. Built GraphQL APIs and component systems serving hundreds of thousands of users across digital learning platforms.

[REACT] [GRAPHQL] [TYPESCRIPT] [NODE\_JS]

### networkteam GmbH

2014 – 2022

#### Lead Engineer

Eight years at a digital agency — starting as a student in content creation and growing into lead engineer. Served as lead developer on 1&1's web platform and delivered projects across publishing and energy sectors. Drove frontend architecture standards and mentored junior developers across the team.

[TYPESCRIPT] [REACT] [PHP] [NODE\_JS] [DOCKER]

## OPEN SOURCE

### LOOP\_ZERO

[github.com/suffle/LOOP\\_ZERO](https://github.com/suffle/LOOP_ZERO)

Self-contained agentic development environment running in Docker. Combines a React/Node UI, integrated terminal (ttyd), and OpenVSCoDe — allowing AI-generated code to be reviewed, adjusted and tested before committing. Switchable AI backend keeps the workflow model-agnostic.

[DOCKER] [REACT] [NODE\_JS] [TTYD] [OPENVSCODE]