Eric Trenkel

Senior Software Engineer & IT Consultant

Cologne, Germany
eric@bostrot.com
erictrenkel.com · github.com/bostrot
linkedin.com/in/erictrenkel

Software architecture, system integration & technical leadership. 10+ years building software, 5+ professionally — tech lead for a team of six in logistics integration, and founder of Bostrot, whose open-source developer tools have been downloaded 213,000+ times.

213,000+	5,000+	62+	6
DOWNLOADS	GITHUB STARS	RELEASES SHIPPED	DEVS LED AS TECH LEAD

EXPERIENCE

Senior Software Engineer & IT Consultant

Jan 2025 — today

NEOZO · Cologne

- Technical lead and main point of contact for a long-running project at an international logistics provider, covering carrier applications and integration with the client's transport management landscape.
- Own the architecture decisions within my project scope, from integration concepts through data processing logic to error handling.
- Designed and built a status application that consolidates shipment data from heterogeneous carrier sources and manually entered TMS records into reliable status information from a freight forwarder's perspective — including data cleanup and matching logic for cases where carriers provide no unambiguous identifier (air and ocean).
- Designed the ingestion path around Kafka as a buffering and throttling layer for high-volume inbound data.
- Integrated a legacy transport management system via EDI, including development on the PL/SQL side.
- Replaced fragmented document handling with a central document service backed by S3 — over 80,000 documents processed in the first two weeks.
- Delivered applications spanning bookings, sailing schedules and status processing, working closely with product management, QA and business stakeholders.
- Maintain and extend shared libraries used across projects, including integration of a new permission model.

Java · Kotlin · Spring Boot · Kafka · PL/SQL · EDI · S3 · Freemarker

Software Engineer & IT Consultant

Jul 2023 — Jan 2025

NEOZO · Cologne

- Tech Lead (late 2023 – April 2024): technical lead for a team of six developers, responsible for architecture decisions and code quality.
- Designed the database schema and internal data structures underlying the carrier applications.
- Built the ingestion process for provider data — retrieving files from SFTP endpoints, transforming them into the internal data model, and notifying the target system across five globally distributed instances.
- Delivered custom software for an international logistics provider from concept through to deployment, connecting modern services to established legacy platforms.

Java · Kotlin · Spring Boot · SQL

Founder & Application Developer

Jan 2021 — today

Bostrot · self-employed

- Founder of Bostrot, developing and commercially distributing developer tools with a combined 5,000+ GitHub stars and an active user community.
- WSL Manager — a Flutter/Dart GUI for managing WSL2 environments with 160,000+ downloads, shipped through the Microsoft Store, Winget, Scoop and Chocolatey, localized into 9 languages, with a built-in MCP server for AI agents such as Claude Desktop.
- Telegram & Signal Support Bot — a TypeScript ticketing system with Docker deployment, also operated as a hosted commercial service.
- PowerToys Run Winget Plugin — a C# plugin for Microsoft PowerToys enabling package search and installation.
- Published reusable open-source packages on pub.dev, including a Plausible Analytics client and a chunked downloader for Dart/Flutter.
- Own the full product lifecycle across all projects: architecture, implementation, release management, distribution, community support and monetization.

Dart · TypeScript · C# · Docker · CI/CD · GitHub Actions · Open Source

Student Software Engineer & IT Tutor

Jul 2021 — Jun 2023

FH Aachen · part-time

- Engineered and maintained backend infrastructure for production teaching systems used across lab courses, improving the architecture and code quality of a Jenkins-based CI submission system and the MoniTutor feedback platform.
- Built a cross-platform CI/CD pipeline (Windows, Linux, macOS on x86 and ARM) delivering a portable, preconfigured VS Code C++ toolchain, plus a custom VS Code extension that simplified lab assignment workflows for first-year students.
- Bachelor thesis (grade 1.0): architecture modernization of MoniTutor — migrated the core client from Python to Rust, substantially improving runtime performance, memory footprint and stability. Deployed to production lab courses immediately after completion.
- Mentored first-year students in C++ and core computer science concepts as a programming tutor.

Rust · CI/CD · C++ · Python · Jenkins

Teaching Assistant — C++

Oct 2020 — Mar 2021

FH Aachen · part-time, on site

- Mentored first-semester computer science students in foundational programming concepts and C++.
- Ran the departmental Q&A tutorial, answering technical questions from computer science students as well as students from other engineering programs.
- Reviewed student code and guided hands-on debugging sessions.

C++ · Teaching

EDUCATION

B.Sc. Computer Engineering
FH Aachen University of Applied Sciences
Bachelor thesis (grade 1.0): architecture modernization of MoniTutor — Python-to-Rust client migration, deployed to production lab courses.

CORE SKILLS

Java · Kotlin · Spring Boot · Apache Kafka · PL/SQL · EDI · Amazon S3 · Microservices · Dart / Flutter · TypeScript · Rust · C# · Docker · CI/CD · GitHub Actions · Software Architecture · System Integration