Enis Mustafaj

enismustafaj@gmail.com | +49 175 4413203

EDUCATION

JACOBS UNIVERSITY
BSc in Computer Science
Thesis: Calculating the CO_2 Footprint of the Internet

LINKS

Blog: **enismustafaj.github.io**
GitHub: **enismustafaj**
LinkedIn: **enismustafaj**

SKILLS

Languages:
• Java • Kotlin • TypeScript • Rust

Frameworks:
• Spring Boot • NestJS
• Svelte • Angular

Messaging:
• Kafka • RabbitMQ

Observability:
• OpenTelemetry • Prometheus • JFR

Data:
• PostgreSQL • MySQL • Firestore

Cloud & Infrastructure:
• AWS • GCP • Terraform
• Docker • Kubernetes

AI:
• Spring AI • LangChain • LangGraph

Workflow:
• Camunda • BPMN

CERTIFICATIONS

• AWS Certified Solutions Architect – Associate

• Google Cloud Associate Cloud Engineer

• Google Cloud Professional Machine Learning Engineer

• Nebius Agentic AI Builder

OPEN SOURCE

apiweiser

• Detects breaking dependency upgrades with an LLM, then has a coding agent write, test and apply a codemod and open the PR.

• Published as an npm CLI with a one-line installer; works with Claude Code or Codex.

jfr-profiling

• Per-request CPU flame graphs in production: lets teams pinpoint slow endpoints without the cost of always-on profiling.

• Ships as a Spring Boot starter with auto-configuration — drops into an existing service with no code changes.

spec4j

• GitHub Action that compiles a TypeSpec API contract into a versioned Java library — OpenAPI, Spring Boot interfaces and DTOs, packaged and deployed to a Maven registry.

EXPERIENCE

DEUTSCHE BANK | Software Engineer
Jan 2025 – Present | Berlin, Germany

- Worked on EBICS / SEPA direct-debit mandate handling for corporate banking clients. Identified inefficiencies in mandate query handling, then designed and led delivery of a CRM case-fulfillment system that replaced manual triage with a structured workflow — now the operations team's primary path for 500 cases/month.
- Owned the corporate credit-card subscription upgrade process end to end, from scoping with corporate banking stakeholders to automating it via workflow engines; cut turnaround from 2 days to a few hours.
- Built the observability layer for the mandate and case-fulfillment services with OpenTelemetry and Prometheus: distributed traces and RED metrics for technical health, alongside business metrics (case volume, time-to-fulfillment, failure reasons) that gave operations and engineering a shared view of where cases stall.

CONTAINER XCHANGE | Software Engineer (Series A)
June 2022 – Dec 2024 | Hamburg, Germany

- Owned infrastructure-as-code strategy org-wide: architected and built reusable Terraform modules, adopted by 5 engineering teams, to provision and manage AWS and Auth0 resources.
- Identified a gap in the payment collection process and independently scoped, designed, and shipped a customer invoice-delinquency microservice for Finance end to end.
- Re-architected company/user profile data handling around serverless functions, improving application load performance at scale for customer data and documents.

ELIPZIS | Software Engineer
Sept 2021 – May 2022 | Bremen, Germany

- Simplified invoicing and labeling workflows for an online shopping platform using PHP and Laravel, reducing manual processing steps.
- Built augmented-reality progressive web apps with Three.js surfacing machine-failure states, improving diagnostic visibility for field teams.

IOTIQ | Software Engineer
June 2021 – Aug 2021 | Leipzig, Germany

- Built a management UI for an intelligent door-locking system, enabling operators to configure and monitor access remotely.
- Integrated REST APIs to connect the UI with locking-hardware management systems.

JACOBS UNIVERSITY | Teaching Assistant (C/C++)
Sept 2020 – Dec 2020 | Bremen, Germany

- Graded assignments and led tutorials, supporting undergraduate students in core C/C++ programming concepts.

PRYZL | Software Developer
June 2020 – Aug 2020 | Bremen, Germany

- Built the UI for a food-delivery mobile app in Flutter, backed by Firebase/Firestore for data storage, retrieval, and authentication.

PROJECTS

LINFRA

- Built a platform that uses AI agents to provision, operate, and manage cloud infrastructure resources autonomously.
- Built the Terraform state pipeline the agents run against: remote state backed by S3, with plan/apply serialized per workspace so concurrent agent runs cannot corrupt state or double-provision.

ESCAPADE

- Implemented fast location-query lookups using the geohash algorithm.
- Collaborated on building a Firestore REST client library in Rust.