

# Efe Carkcioglu

Full Stack Software Engineer | Java, Spring Boot, TypeScript, Angular, Observability

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Bremen, Germany | German & Turkish Citizen | Open to Relocation to Australia

## Professional Summary

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Full Stack Software Engineer at CTS Eventim, the world's second-largest ticketing group and Europe's market leader (EUR 3.1B revenue, 300M+ tickets per year, MDAX-listed, operations in 25+ countries). Experienced in building and operating customer-facing software across backend services, frontend functionality, observability and production support in a high-availability ticketing environment.

Own features across the full lifecycle of EVENTIM.Inhouse, from architecture and sprint planning through implementation, release, monitoring and support. Build backend services in Java and Spring Boot, deliver product-facing functionality in Angular and TypeScript and design real-time monitoring infrastructure with Grafana. Also contribute to AI modernisation, CI/CD automation, technical debt strategy and mentoring of junior engineers.

## Professional Experience

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### Software Developer

CTS Eventim

Jul 2024 – Present

Bremen, Germany

- Develop and maintain software for EVENTIM.Inhouse, contributing across Java/Spring Boot backend services and product-facing functionality in a large-scale ticketing platform serving more than 1,000 venues across theatres, opera houses and concert halls in Europe.
- Own features across the delivery lifecycle, including technical design, implementation, release preparation, observability and production support.
- Solo-built a Grafana observability dashboard for payment services within one quarter, providing real-time visibility into revenue flows, error rates, logs and service health while continuing regular sprint delivery.
- Delivered ticketing features and live production observability support for the Berlinale (Berlin International Film Festival), one of the world's premier film festivals.
- Analyse technical debt, propose solution roadmaps and drive adoption of engineering improvements across unit and end-to-end testing, Dockerisation, observability and alerting and CI/CD pipeline automation for testing, deployment and release.
- Lead AI modernisation efforts by attending workshops, synthesising findings and helping guide the team toward Spec-Driven Development (SDD) and more AI-ready architecture.
- Translate customer and business requirements into scalable technical solutions through direct collaboration with consulting and other cross-functional teams; perform risk analysis and help coordinate implementation approaches across teams.
- Conduct code reviews, moderate daily stand-ups and retrospectives and mentor junior engineers on engineering practices, internal tools and professional development.

### Quality Assurance Engineer

CTS Eventim

Nov 2023 – Jul 2024

Bremen, Germany

- Designed and executed QA test suites for ticketing software used in production environments.
- Documented REST APIs with Swagger and performed SOAP API testing with SoapUI.
- Automated end-to-end regression tests using Selenium and Python, improving test coverage and release confidence.
- Worked closely with developers and product stakeholders to identify issues, validate fixes and support higher software quality across releases.

**Software Developer Intern**  
*Team Neusta Aerospace GmbH*

Aug 2023  
Bremen, Germany

- Built an employee satisfaction application using TypeScript, Angular and Firebase.
- Delivered the full set of project requirements successfully and received a High Distinction (HD).
- Gained practical experience in frontend development, feature delivery and project-based implementation in a professional environment.

## Projects

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### Open Data Platform for Procurement Documents

Apr 2024 – Sep 2024

*Bachelor's Thesis, University of Bremen*

- Designed scalable Python-based data pipelines on Microsoft Azure to extract, transform and analyse public procurement data from structured and unstructured sources.
- Applied machine-learning-based techniques to support data processing, classification and analysis of procurement documents.
- Demonstrated the ability to work across cloud infrastructure, data engineering and applied machine learning in an academic research setting.
- Grade: High Distinction (HD).

### Digital Twin: Predictive Maintenance for Wind Turbines ([link](#))

May 2023 – Jun 2023

*Academic Project*

- Built a predictive maintenance prototype using Python machine learning algorithms and a React front end.
- Analysed open-source sensor data to identify patterns linked to turbine failures and support predictive insights.
- Combined frontend and backend problem-solving in a project involving machine learning, data analysis and interface design.
- Grade: High Distinction (HD).

## Education

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**B.Sc. Computer Science**  
University of Bremen

Sep 2019 – Sep 2024  
Bremen, Germany

## Technical Skills

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<b>Languages</b>	Java, TypeScript, JavaScript, Python, SQL (PostgreSQL), HTML/CSS, Haskell
<b>Frontend</b>	Angular, React, TypeScript, JavaScript, HTML, CSS
<b>Backend</b>	Spring Boot, Spring Cloud, REST APIs, JUnit
<b>Testing</b>	Selenium, Swagger/OpenAPI, SoapUI, End-to-End Testing, API Testing
<b>Tools &amp; Infrastructure</b>	Git, Docker, Grafana, CI/CD Pipelines, Firebase, Azure
<b>Practices</b>	Agile/Scrum, Code Review, API-First Design, Observability, SDD, TDD, Production Support
<b>Spoken Languages</b>	English (fluent), German (fluent), Turkish (native)