Osman **Calisir**

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Education

MSc. 2023	The University of Texas at Austin - Computer Science, Minor in Artificial Intelligence
BSc. 2019	The University of London - Computer Science, Minor in Data Science

Work Experience

Jul 2025 – Current | **Senior Software Engineer, Dekra SE (formerly Battery Sphere GmbH), Munich, Germany**

- Built battery State of Health (SoH) applications end-to-end for automotive and industrial partners, from GraphQL API design to production UI.

TypeScript · Node.js · Next.js · Prisma · GraphQL · Zod · MUI

Dec 2021 – Apr 2025 | **Senior Software Engineer, Sinch Germany GmbH, Munich, Germany**

- Built an NLP-integrated chatbot to automate customer conversations across messaging channels.
- **Transition:** Role eliminated following the company's decision to close the team.

TypeScript · Node.js · Next.js · Prisma · GraphQL · MongoDB

Aug 2020 – Nov 2021 | **Remote - Software Engineer & Consultant, Ambeent Inc, San Francisco, CA, USA**

- Built features across the stack for an AI-powered platform optimizing WiFi and spectrum performance across hundreds of millions of access points.
- **Transition:** Contract conclusion due to relocation to Germany

JavaScript · Python · React · PostgreSQL · WebSockets

Sep 2014 – Aug 2020 | **Remote - Software Engineer, Accenture (formerly umlaut / P3 Group), Aachen, Germany**

- Built full stack software for automotive and telecommunications clients across P3's engineering consultancy practice.
- **Transition:** Pursued new opportunity after company restructuring

Java · JavaScript · SQL · REST APIs

Certifications

09/02/2022	Data Science - IBM
01/08/2021	AI Engineering - IBM
25/06/2021	Object-Oriented Programming - University of London
24/05/2021	Probability and Statistics - London School of Economics and Political Science
10/02/2021	Clean Code - Academind GmbH
24/01/2021	Secure Software Design - University of Colorado
24/11/2020	Cloud DevOps Engineer - Google
13/10/2020	Continuous Delivery & DevOps - University of Virginia
08/06/2020	Algorithms - Stanford University
30/05/2020	Full-Stack Web Development with React - HKUST
08/05/2020	Data Science - Harvard University
21/03/2020	UI/UX Design - California Institute of the Arts
07/11/2019	PRINCE2 - P3 Academy
18/06/2019	ITIL Foundation - P3 Academy

Skills and Interests

Experience: 12+ years

Frontend: TypeScript, Next.js, JavaScript, Redux, Zustand, Tailwind, Vite, Jest, HTML5, CSS3

Backend: TypeScript, Node.js, GraphQL, Prisma, tRPC, SQL, NoSQL, Redis

Tools: Git, Docker, CI/CD, REST APIs, Microservices, Micro Frontends, Turborepo

Languages: English (C1/C2), German (B1/B2), Turkish (Native)

Soft Skills: Problem-Solving, Critical Thinking, Communication, Collaboration, Mentoring, Code Review, Creativity, Innovation

Interests: Hiking, Cycling, Kayaking, Chess, Civilization, Dota, Ancient Senet, Red Alert, 11:4

Projects

GPTStone **May 2025 - Current**

gptstone.com

GPTStone, by Trust Fabric, is a zero-trust AI security platform that sits between you and any AI, checking messages both ways in real time (a “dual-layer AI firewall”). It strips sensitive data from prompts before the AI sees them, then scans replies for data leaks, prompt injection, and policy violations, using a purpose-built security model. Data in transit is encrypted with TLS 1.3, stored data with AES-256 (ISO/IEC 18033), and logins/API keys with FrodoKEM, a post-quantum method built to resist future quantum attacks. It also aligns with major privacy laws: GDPR (EU), FADP (Switzerland), CPRA (California), and KVKK (Turkey), and is available individually via the website or for enterprises via API.

TypeScript | Node.js | Next.js | Prisma | GraphQL | Zod | MariaDB | AES-256 | FrodoKEM | TLS1.3 | Tailwind | Atomic Design Principle