Kian Lütke

Senior Software Engineer with Cloud Focus

+491704108145 | GitHub | LinkedIn | kianluetke@gmail.com

Summary

Software engineer with hands-on experience designing and delivering web applications across frontend, backend, and cloud. I value simple, reliable solutions and have a strong track record in mentoring developers.

Portfolio Projects

Ascent – Zero-Knowledge Inheritance Protocol

Winner of 2 Tracks @ ETHGlobal | Hackathon Project | May 2025
Developed in 36 hours a privacy-preserving inheritance protocol that uses zero-knowledge identity proofs and cross-chain asset consolidation to
ensure only verified beneficiaries can claim assets. [ethglobal.com]

Murl.pw – Scalable Cloud Native URL Shortener

Personal Project | 2025
Architected and implemented a distributed URL shortener using Bun microservices, Redis, and AWS. Deployed with ECS, CloudFront, ALB, and S3, with Terraform for full IaC. Focused on low latency, stability, and cost efficiency. [murl.pw]

Building sepa-xml.de a SaaS Platform for Accountants

Personal Project | 2025

Building a SaaS platform to convert SEPA CSV files into compliant XML transactions, using Next.js, Prisma, and Postgres, with Auth.js for authentication and automated CI/CD for deployment. [sepa-xml.de]

Competencies

System Design
API Architecture
Cloud Services (AWS)
CI/CD and Automation
Linux Systems
Data Modeling and Storage
Microservices
Technical Mentoring
Modern Frontend Architecture
Operational Reliability

Skills

Backend Bun/Node.js, Hono, Express, Elysia, REST APIs, Zod, Prisma, Drizzle ORM

DevOps & Cloud Docker, CI/CD (GitHub Actions, Azure DevOps), AWS (EC2, S3, Lambda, DynamoDB, IaC, CloudFormation), Linux, Monitoring, Event Streams (Kafka Basics)

Frontend React, Angular, Svelte, Next.js, React Native, TypeScript, HTML/CSS, Tailwind, Vite

Databases PostgreSQL, MongoDB, MySQL, DynamoDB, NoSQL Systems

Web3 Solidity, ethers.js, wagmi, zkProofs, Cross-chain Assets

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Experience

IT Instructor and Contractor

GFU Cyrus AG · Remote ad On-Site · Jun 2025 - Present

I design technical workshops for industry clients on topics like NoSQL, MySQL, design patterns, Galera Cluster, Linux administration, and React Native. I translate complex concepts into practical hands-on sessions that teams can apply in their daily work.

Lead IT Instructor

Volkswagen · Wolfsburg · Jan 2024 – Jun 2025

Redesigned the full stack curriculum around modern cloud architecture and TypeScript backend & frontend principles. Created end to end projects requiring students to build distributed systems, microservices, and CI/CD pipelines. Mentored instructors in architectural patterns and ensured consistent technical quality.

Full Stack Developer, IT Consultant, DevOps Engineer

Aluxus Terrassenüberdachungen GmbH · Duisburg/Remote · Jun 2016 – Jan 2024

Built and maintained the customer portal for measurements and logistics, developed real time dashboards, integrated workflows with Xentral ERP, created a load carrier management system that reduced costs by around ten thousand euros per year, and managed the AWS based infrastructure and CI/CD automation.

Frontend & React Native Developer, Infrastructure Engineer

Dolspot eG · Oldenburg/Remote · Mar 2019 – Feb 2023

Automated internal workflows on Google Cloud, built a custom API for order processing, developed invoicing and billing tools backed by a Firebase database, and set up CI/CD pipelines and Docker deployments.

Fullstack Developer, IT Consultant

Campus Affair · Bremen · Jul 2017 – Apr 2018

I developed marketing automation tools, built an Angular analytics dashboard with D3.js, integrated external vendor services into the shop API, and managed the server environment and infrastructure reliability.

Education

M.Sc. Business Informatics (expected Oct 2025 · GPA 1.2)

University of Oldenburg · Oldenburg, Germany

Master Thesis: Developed Load Carrier Management System

Abroad Semesters: University of Cádiz (Spain), University of Piraeus (Greece)

B.Sc. Business Informatics (2015 – 2019 · GPA 1.9)

Jade University · Wilhelmshaven, Germany

Bachelor Thesis: Built Python-based Instagram Analytics & Visualization Tool.

Abroad Semester: University of Economics · Wroclaw, Poland.

Commercial IT Assistant (2013 – 2015 · GPA 1.1)

Vocational Training · Wilhelmshaven, Germany