

Tobias Klasse

Over 10 years of experience specializing in backend development, distributed systems, and scalable infrastructure. I have been instrumental in driving multiple startups from pre-seed to Series B by architecting and building core systems, including payment platforms and membership programs, while designing robust infrastructure. I'm also experienced in mentoring, interviewing, and aligning technical strategies with business goals in fast-paced environments.

EXPERIENCE

Strike, Berlin/Singapore — Lead Backend-Engineer (Contract)

04/2024 - Present

- Architected and provided guidance on all major technical decisions, ensuring scalability, reliability, and alignment with business objectives.
- Designed and implemented a core Spring Boot app, deployed on AWS ECS, establishing the foundational infrastructure for the entire platform.
- Enabled seamless user onboarding by integrating Supabase for signups and secure access controls using Spring Security.
- Designed and launched a membership program leveraging Stripe Subscriptions to manage memberships and automate payment workflows.

Round Treasury, Berlin/London — Founding Engineer (Contract)

09/2023 - Present

- Started from scratch to architect and implement the core infrastructure, leveraging AWS ECS, ECR, RDS, and GitHub Actions for CI/CD, ensuring a robust and scalable foundation.
- Enabled the company to scale from £0 and 0 customers to managing multiple million pounds in Assets Under Management (AUM) through reliable, scalable, and secure engineering solutions.
- Implemented a system for bank account transaction synchronization and payments leveraging the Open-Banking standard.
- Led the design and execution of multiple critical integrations, including Interactive Brokers (Trading Platform), Yapily (Open Banking), Xero (Accounting SaaS), Clerk (Authentication), and Ntropy (Bank Transaction Enrichment).

Sesame, Berlin/New York — Lead Software-Engineer

2019 - 2023

- Designed and implemented massive parts of the underlying infrastructure. Fourth engineer to join a growing team that now consists of 30+ engineers
- Built a Membership System powered by Stripe, contributing to multiple million in Annual Recurring Revenue (ARR).
- Led the technical planning and coordination of engineers to successfully implement the ability to finance payments using Affirm.
- Conducted interviews, mentored engineers, managed projects, and represented the engineering team in stakeholder discussions to align technical goals with business objectives.



📍 Berlin, Germany

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🌐 <https://tclass.dev>

🐙 <https://github.com/tclass>

SKILLS

Platforms:

Google Cloud Platform, AWS, Cloudflare, DigitalOcean

Programming:

Java, Kotlin, Golang, SQL, Typescript, Python, Bash

DevOps:

Kubernetes, Docker, Github Actions

Databases:

Postgres, Redis, GCP Datastore, Big Query, Snowflake, Redshift

Monitoring:

Prometheus, Sentry, Grafana, Distributed Tracing, Open Telemetry

Frameworks:

Spring Boot, Quarkus, NestJS

Miscellaneous:

Event-Driven Architecture, Microservices, Open Policy Agent, GCP PubSub

LANGUAGES

German (Native)

English (Fluent)

Portuguese (Beginner A2)

JustWatch, Berlin — Software-Engineer

2015 - 2019

- Laid the foundation for JustWatches AdTech Business with Google Adwords and Doubleclick integration. This enabled JustWatch to run multi million dollar Ad Campaigns
- Gave presentations, mentored peers on programming languages and databases and lead interviews
- Created a machine learning workflow using Python to recommend movies to users, which increased visits and retention

Synaxon AG, Bielefeld — Apprenticeship Software-Engineer

2009 - 2012

- Maintained and enhanced an online shop built on Magento, ensuring optimal performance and user experience.
- Designed and demonstrated a Varnish cache implementation, showcasing significant performance improvements for client systems.
- Built an automated importer to synchronize warehouse inventory with partner platforms, streamlining operations and reducing manual effort.

EDUCATION

HTW Berlin, Berlin — Bachelor - Applied Computer Science

2012 - 2015

Synaxon AG, Bielefeld — Apprenticeship Software-Engineer

2009 - 2012

Projects

<p>Strike</p>	<p>Implementing a Membership Program</p>
<p>Timeframe 04/2024 - Present</p> <p>Role Lead Backend-Engineer (Contract)</p> <p>Languages & Tools Spring Boot, Java, Stripe, Postgres</p> <p>Cloud AWS</p>	<p>Context</p> <ul style="list-style-type: none"> ■ The Customer wanted to offer various memberships with different feature sets. ■ Managed billing and automated invoice generation using Stripe Subscriptions. <p>Tasks</p> <ul style="list-style-type: none"> ■ Collaborated with the client to define requirements and develop an integration plan. ■ Designed and implemented business logic for payment processing and subscription management.

<p>Strike</p> <p>Timeframe 04/2024 - 06/2024</p> <p>Role Lead Backend-Engineer (Contract)</p> <p>Languages & Tools Spring Security, Java, Supabase, Postgres</p> <p>Cloud AWS</p>	<p>Implementation of a Backend for an AI Analytics Platform</p> <p>Context</p> <ul style="list-style-type: none"> The client required a robust backend solution to support an AI analytics platform. Key requirements included a secure user authentication system with flexible role-based access control across companies and teams, a mechanism for file uploads (S3) to enable analytics, and an efficient system for creating and managing business entities <p>Tasks</p> <ul style="list-style-type: none"> Implemented user sign-up and login functionality with JWT (Spring Security) integrated with Supabase for secure user management. Architected and developed the entire backend, including the creation of all entities, database tables, and business logic to support core application functionality Developed a file upload API utilizing Supabase Storage, enabling users to upload files for analytics and data processing.
<p>Round Treasury</p> <p>Timeframe: 01/2024 - 03/2024</p> <p>Role: Founding-Engineer (Contract)</p> <p>Languages & Tools: Typescript, Next.js, NestJS, Prisma, Yapily (Open Banking Provider)</p> <p>Cloud: AWS</p>	<p>Development of a banking platform leveraging Open Banking</p> <p>Context</p> <ul style="list-style-type: none"> The project involved building a platform for users to be able to connect to multiple bank accounts via Open Banking to enable synchronization of account balances and transactions. Additionally, it facilitated payments between users' own accounts and external bank accounts across the UK and Europe. <p>Tasks</p> <ul style="list-style-type: none"> Communicated with Yapily to manage integration requirements and coordinated the project with the Product Owner. Led the creation and execution of the technical project plan, including the design and implementation of the backend system.
<p>Round Treasury</p> <p>Timeframe: 08/2023 - 12/2023</p> <p>Role: Founding-Engineer (Contract)</p> <p>Languages & Tools: Typescript, NestJS, Prisma, AWS ECS, AWS Lambda, AWS ECR, Github Actions, Clerk.com</p> <p>Cloud: AWS</p>	<p>Infrastructure Setup and Deployment (CI/CD)</p> <p>Context</p> <ul style="list-style-type: none"> The project focused on setting up, deploying, and developing the entire infrastructure along with the backend to support the frontend. <p>Tasks</p> <ul style="list-style-type: none"> Built the complete CI/CD pipeline, including an AWS ECS cluster, GitHub Actions, load balancer configuration, and IAM role setup. Developed the backend using NestJS, TypeScript, Prisma ORM, and PostgreSQL to ensure scalability and reliability. Executed the project independently, maintaining regular coordination with company management to align with business goals.

Sesame	Membership Program
<p>Timeframe: 05/2022 - 02/2023</p> <p>Role: Lead Software-Engineer</p> <p>Languages & Tools: Java, Spring Boot, Stripe Subscription API, Kubernetes, Postgres, Pub/Sub</p> <p>Cloud: Google Cloud Platform</p>	<p>Context</p> <ul style="list-style-type: none"> ■ The project aimed to integrate a membership system into an existing B2C marketplace. The system provided members with benefits such as discounts on selected products and free monthly bookings, tailored to their membership tier. <p>Tasks</p> <ul style="list-style-type: none"> ■ Designed and implemented multiple membership tiers with distinct configurations to enable A/B testing. ■ Developed complex rules to manage fixed discounts, percentage-based discounts, and free booking allowances, ensuring accurate application of benefits across tiers. ■ Designed and implemented the membership system, ensuring seamless integration with the existing marketplace infrastructure.

Sesame	Implementation of Affirm
<p>Timeframe: 01/2021 - 03/2021</p> <p>Role: Senior Software-Engineer</p> <p>Languages & Tools: Java, Spring Boot, Kubernetes, Postgres, Pub/Sub</p> <p>Cloud: Google Cloud Platform</p>	<p>Context</p> <ul style="list-style-type: none"> ■ Led the technical planning and coordination of engineers to successfully implement the ability to finance payments using Affirm. <p>Tasks</p> <ul style="list-style-type: none"> ■ Integrated Affirm into the payment flow, ensuring seamless alignment with invoice creation processes. ■ Designed and developed an administrator view for Customer Support to manage Affirm financing contracts, including cancellation and modification functionalities. ■ Implemented A/B testing capabilities to compare the Affirm integration against the standard payment flow for performance analysis.