

Vincent Benedikt Menzel

Senior Software Engineer – Distributed Systems

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SKILLS

Systems & Infrastructure	AWS · GCP · Kubernetes · Terraform · Docker · CI/CD
Application Development	TypeScript · Go · Python · Node.js · NestJS
Data & Persistence	PostgreSQL · REST · WebSockets
Distributed Systems	Event-driven design · Idempotency · CQRS · Eventual consistency · Backpressure
Languages	German (Native) · English (Fluent)

EXPERIENCE

PCG GmbH

Remote, Germany

SENIOR SOFTWARE ENGINEER – DISTRIBUTED SYSTEMS

Jan 2023 – Present

- Architected a multi-tenant customer data platform serving ~250 enterprise accounts; designed cross-account AWS state mirroring with cached security-group snapshots to maintain read consistency under API rate limits, eliminating service failures caused by AWS API throttling.
- Led full system rebuild of a B2C creator platform with a 12-person team over 12 months; defined service boundaries, data ownership contracts, and rollout strategy for a system that scaled to 25,000 registered users and 100 creators.
- Designed an idempotent token-ledger and referral-attribution system with exactly-once credit semantics, preventing double-spend and ensuring auditable revenue attribution across asynchronous settlement flows.
- Took full systems ownership of a stalled sustainability-reporting product mid-delivery, re-established delivery confidence, and shipped to 350 enterprise customers.
- Defined and enforced the engineering hiring bar as technical evaluator across 3 hiring rounds; standardised system-design and distributed-systems assessment criteria.

Devoteam GmbH

Remote, Germany

CLOUD CONSULTANT

Jan 2022 – Jan 2023

- Designed and implemented 4 microservices for a meter-collection and analytics platform serving utility field employees; established service contracts and fault-isolation boundaries between collection, processing, and reporting tiers.
- Built interpolation and anomaly-detection pipelines for real-time utility data, including pipeline-leak identification; applied backpressure-aware processing to handle uneven ingestion rates from distributed field sensors.
- Coordinated integration across a 6-person cross-functional team (2 frontend, 3 backend, 1 data), resolving systemic consistency failures between pipeline stages and unblocking delivery.
- Mentored a junior colleague through technical growth, directly contributing to her promotion to senior role.

code'n'ground AG

Heidenheim, Germany

SOFTWARE DEVELOPER

Jan 2020 – Jan 2022

- Primary developer on a DiGA-certified snoring-therapy app requiring deterministic, reproducible exercise state across 49 exercises and a 3-month program – correctness guarantees mandated by medical certification; shipped to 200,000+ users.

- Translated a clinical scheduling algorithm into conflict-free deterministic logic with prerequisite-gated progression and category isolation across motor, holding, and utensil-based exercise tracks.
- Built a configurable emotion-recognition assessment tool for University of Ulm psychology researchers with automated, reproducible reporting – reproducible configuration model enabled Phase 2 expansion.
- Introduced Angular as the company's first SPA framework, migrating 2 client projects off legacy jQuery/Codelgniter to component-driven architecture.
- Developed a waste-disposal marketplace matching companies with certified disposers for regulated waste categories, enforcing compliance routing logic at the matching layer.

code'n'ground AG

Heidenheim, Germany

DUAL STUDENT

Jan 2019 – Jan 2020

- Completed an intensive software engineering curriculum covering full-stack web development including JavaScript, PHP, and React.
- Took ownership of a multi-tenant e-commerce platform through initial implementation and ongoing maintenance – first exposure to shared-state isolation across tenant boundaries.
- Built a planting machine configurator enabling modular equipment assembly from validated compatible components.

EDUCATION

DHBW Heidenheim

Heidenheim, Germany

B.SC. BUSINESS INFORMATICS

Oct 2019 – Oct 2022

Margarete Steiff Gymnasium

Giengen, Germany

ABITUR

Sep 2009 – Jun 2018