Ben Barten

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PROFESSIONAL SUMMARY

Self-taught, polyglot and product-minded software engineer with 7+ years of professional experience specializing in backend development. Successfully, architected and built software in various domains for start-ups, scale-ups and established enterprises. Demonstrated the ability to decide when to prioritize getting stuff done and when to take a step back to focus on scalability and stability.

WORK EXPERIENCE

Technical Lead, Semrush   **July 2023 – now**
- Leading the data management team which is responsible for the data infrastructure of the Enterprise platform
- Building a petabyte-scale data lake on top of Google BigQuery
- Mentored junior engineers who evolved into senior engineers
- Planned and executed a 4-month migration process to rebuild the database design of the data lake with 0 impact on customers
- Reduced the data gathering error rate of our ETL jobs by 90%
- 50+ technical and behavioral interviews of backend engineers
- The Enterprise platform went from 0 to Xm ARR within 18 months

Senior Software Engineer, Semrush   **August 2022 – June 2023**
- Setup the infrastructure for the Enterprise platform using Kubernetes, Docker, Helm, Gitlab CI and Google Cloud Platform (GCP)
- Wrote the first line of code of the Enterprise platform's backend
- Built a role-based-access-control (RBAC) system to manage workspaces and projects for customers in Go
- Built a Go SQL compiler for a low-code data query builder to allow our Solution Architects to build custom-tailored dashboards within hours without engineering involvement
- Led the backend chapter to foster cross-team collaboration and knowledge sharing within the Enterprise unit

Backend Software Engineer, Fraugster   **March 2021 – July 2022**
- Built and maintained the production real-time API for transaction scoring in Go
- Developed a microservice-based low latency data processing pipeline with each transaction being scored in less than 15ms (95th percentile) in Go
- Extracted parts of a monolithic system into a microservice to enable horizontal scaling and ensure 99.99% uptime
- Supported in building a deployment pipeline for the ML team to run deploy ML models with Gitlab CI and kubernetes
- Decoupled the transaction API from the data processing pipeline for easier testing and increased test coverage from 20% to 65%

Lead Software Engineer, fino   **Dec 2019 – February 2021**
- Led a team of 3 backend developers including regular 1:1s and performance feedbacks
- Built a company-wide API platform for banks and fintech companies to open up B2B revenue streams in the Banking-as-a-Service domain
- Implemented an API-first mindset within the company including API design standards and a developer portal
- Utilized domain driven design (DDD) techniques to compose a unified API layer on top of our microservice architecture in Go

Software Engineer, fino   **Aug 2017 – November 2019**
- Part of the data analysis team developing financial account analysis algorithms for some of Germany's largest banks in Java and Python
- Built a custom rule engine for transaction classification reducing 80% of manual efforts of developers supporting in transaction classification

- Built a account balance forecasting algorithm to predict monthly spending of personal bank accounts in Python
- Leveraged Docker to containerize above mentioned algorithms and deploy them with Jenkins
- Developed a backend-for-frontend (BFF) for our web/mobile application "Yoli" to access the account analysis using GraphQL

SKILLS

Languages: Go, Java, Javascript (ES6+), Bash
Technologies: Kubernetes, Helm, Docker, PostgreSQL, MongoDB, Google BigQuery, Redis, Apache Kafka, RabbitMQ, REST, gRPC, GCP, AWS, Gitlab CI, Azure DevOps

EDUCATION

Secondary Teaching, English / Physical Education, Universität Kassel   **October 2013 - October 2017**
Abitur, Oberstufengymnasium Eschwege   **July 2011**

PROJECTS

Technical Lead, Semrush Enterprise (semrush.com/enterprise/seo)   **currently**
Software Engineer, Fraugster (fraugster.com)   **March 2021 - July 2022**
Lead Software Engineer, finoOS (os.fino.ai)   **December 2019 - February 2021**

CERTIFICATIONS

- **Stanford Online - Coursera - Machine Learning**   **April 2022**
- **DesignCourse.com - CSS Course**   **October 2023**