

# Nikolas Rieble

Software Engineer

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## PROFILE

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Experienced software engineer with expertise in building scalable systems, refactoring legacy code, and leading teams. Skilled at motivating individuals by contextualizing problems, emphasizing their importance, and fostering growth through targeted initiative. Excited to make a difference.

## WORK EXPERIENCE

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**HashiCorp** since Feb. 2024

- Senior Software Engineer II Terraform Enterprise
  - High availability features: Enhanced PostgreSQL cluster support with failover using Patroni.
  - On-call: Resolved critical customer escalations as part of a 24/7 on-call rotation using PagerDuty.

**Tools:** Golang, Ruby, Javascript, Terraform, AWS, GCP, Azure, Redis

**Tulip Interfaces** Jul. 2021 - Jan. 2024

- Engineering Manager Analytics
  - Team leadership: Managed a team of 4 engineers to deliver a query and reporting product using React and TypeScript.
  - Codebase refactoring: Migrated a legacy JavaScript codebase to TypeScript.

- Software Engineer III Analytics
  - Machine learning integration: Architected features for forecasting and anomaly detection using Python and TensorFlow.
  - Charting library migration: Replaced Plotly with Recharts, reducing bundle size by 40%.

**Tools:** React, TypeScript, Javascript, Recharts, Meteor.js, MongoDB, Postgres

**Scalable Capital** Oct. 2019 - Jun. 2021

- Data Engineer BI
  - ETL pipelines: Developed Airflow jobs for data extraction and OLAP queries.
  - BI tools: Maintained Metabase and trained colleagues in self-service analytics.

**Tools:** Python, Airflow, Metabase, Kotlin, Spring Boot

**Hilti GmbH** Aug. 2018 - Sep. 2019

- Fullstack IoT Developer Digital Factory
  - Data warehousing: Built a data warehouse to unify and clean data from multiple sources.
  - Reporting tools: Created PowerBI dashboards and trained users.

**Tools:** C#, SQL, Javascript, PowerBI

## OPEN SOURCE CONTRIBUTIONS

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- Recharts
  - Core Maintainer: Improved performance, reduced bundle size by 40%, and engaged with the community.
  - Tooling Enhancements: Introduced Storybook and migrated unit tests to Vitest.

## EDUCATION

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- M.Sc. Computational Engineering Science Technical University of Berlin, 2015 - 2018
- B.Sc. Psychology University of Vienna, 2013 - 2015
- B.Sc. Mechanical Engineering Technical University Stuttgart, 2009 - 2014