

# Nathan Koerschner

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## EXPERIENCE

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### Full Stack Data Engineer & Technical Lead, Daasity

Mar 2024 - present

- Led integration of Red Fox Analytics into Daasity across infrastructure, pipelines, and cloud environments (GCP, AWS, Snowflake).
- Built scalable workflows and embedded analytics using Python, Cloud Functions, TypeScript, and React.
- Improved data quality and reduced support load through close collaboration with data operations.
- Reduced platform spend through Snowflake/GCP/AWS/Fivetran optimization.
- Maintained legacy ingestion systems to ensure uninterrupted service for existing clients.

### Data Engineer & Full Stack Developer, Red Fox Analytics

Oct 2022 - Mar 2024

- Built an automated ELT platform powering analytics for brands like Liquid Death and Stone Brewing.
- Designed DBT models supporting multi-source integration and customized reporting.
- Developed a flat-file ingestion system connected to BigQuery for flexible client uploads.
- Built pipelines using Fivetran, Python extractors, and cloud functions.
- Reduced compute costs via incremental updates and resource tuning across AWS/GCP.
- Delivered SQL, Python, and React components for dashboards and internal tooling.
- Set up lightweight CI/CD using GitHub Actions and Google Cloud Build.

### Software Engineer, Sofar Sounds

Mar 2022 - Oct 2022

- Built Python scrapers for Instagram and Songcharts to automate music-trend data collection.
- Delivered full-stack features using React and Ruby on Rails with GraphQL integrations.
- Deployed services using Heroku, AWS, and Docker to support internal tooling and data flows.

### Software Engineer, Diamond DAO

Dec 2021 - Apr 2022

- Built data pipelines aggregating user activity from DAO Discord servers.
- Developed a TypeScript/Python Discord bot syncing community activity with on-chain records.
- Integrated APIs and blockchain data into analytics workflows.
- Deployed serverless AWS components to automate syncs and reporting updates.

## PROJECTS

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### Tibetan Dictionary App (2024)

[Link to App Store](#)

A multilingual tool built with Typescript, React Native, and Python, designed to facilitate accessible vocabulary collection in Tibetan language communities.

## EDUCATION

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2021 - 2021 Additional Courses (Computer Science) at **ASU Online**

(GPA: 4.0/4.0)

2017 - 2020 BS (Pure Mathematics) at **UNC Asheville**

(GPA: 3.9/4.0)