

Ziyang Liu

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Summary

Professional software engineer with 9 years of experience building backend systems and infrastructure, and 4 years of experience being a tech lead on backend teams

Experience

Warner Music Group | New York, NY

Senior Software Engineer | 02/2024 - Present

- Tech Lead for a 12 people backend team supporting a platform with millions of music fans to engaging with artist
- Support a typescript GraphQL API server stack with Postgres DB and Redis cache
- Working with cross functional teams to deliver product features and implement engineering best practices such as CICD and IaC

Canada Pension Plan Investment Board | Toronto, ON

Senior Software Engineer | 07/2023 - 02/2024

- Design and build business critical data services and pipelines to enable portfolio managers and analysts to work with large and distributed financial dataset, eventually unlocking critical business insights through cloud computing.

Chan Zuckerberg Initiative | Redwood City, CA

Staff Software Engineer | 11/2016 - 06/2023

- Led a team of ten software engineers developing a cutting-edge scientific visualization tool in collaboration with scientific open source community.
- Collaborate with cross functional partners in product and design, and enforce compliance with partners in legal, security and infra teams.
- Mentored junior engineers and interns.

Chan Zuckerberg Initiative | Redwood City, California

Senior Software Engineer | 09/2020 - 02/2022

- Lead backend team developing napari-hub.org

Chan Zuckerberg Initiative | Redwood City, California

Software Engineer | 11/2016 - 08/2020

- Designed and implemented robust data pipelines for ingestion and distributed processing of biomedical research data supporting meta.org

Skills

Software/Data Engineering, Operation/Monitoring/CICD, AWS/GCloud, Python/Java/Typescript, Docker/Kubernetes, Rest/GraphQL API, SQL/NoSQL Databases, Airflow, Spark

Education

University of Waterloo | Waterloo, ON

Bachelor of Computer Science | 08/2016