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Summary

Aspiring ML Engineer with 10 years in backend engineering and management, aiming to support business and product teams with strong communication and entrepreneurial skills

Experience



Machine Learning Engineer

Charmed

Aug 2023 - Present (4 months)

- Productionized gaussian splatting based renderer of generative image-to-3D algorithm using PyTorch and Cuda
- Visualized intermediate training outputs in order to understand loss and optimize learning rates
- Built 3D object search using Elasticsearch and vector based reranking using Scapy, and assessed precision/recall
- Operated prod inference models with SageMaker, and established tooling and incident response process



Senior Engineering Manager

Linden Lab

May 2022 - Aug 2023 (1 year 4 months)

- Managed Backend Team (eight devs), including hiring, career growth, 1:1s
- Ensured the production system was responsibly operated and monitored
- Acted as Backend PM, participated in B2B sales calls, represented Engineering to internal stakeholders



Principal Software Engineer

Linden Lab

Jun 2013 - May 2022 (9 years)

- Designed and created the core FinTech system which executed millions of credit card transactions per year
- Transitioned system from known tenants to generic multi-tenancy
- * Developed auth, accounts, transaction, fraud, PII services for internal customers using Golang, Python, MySQL



Intern

Los Alamos National Laboratory

2010 - 2013 (3 years)

- Implemented a "smart" filesystem search using FUSE and MongoDB

Education

 **The University of New Mexico**

MS, Computer Science

2011 - 2012



University of Montana

BS, Computer Science

2007 - 2011

Skills

Python • Go (Programming Language) • MySQL • PyTorch • docker • Amazon Web Services (AWS)