

Mike Jacobi

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

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WORK EXPERIENCE

Charmed AI

ML Engineer

Aug 2023 - Present

- Replaced Gaussian Splatting 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, and assessed precision/recall
- Operated prod inference models with SageMaker, and established tooling and incident response process

Linden Lab

Tilia - Senior Engineering Manager

2021 - Aug 2023

- 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

Tilia - Principal Software Engineer

2018 - 2021

- Created the core FinTech system including transaction schemas, APIs, business logic
- Transitioned system from few, known tenants to full on, generic multi-tenancy

Senior Software Engineer

2013 - 2018

- Sansar - developed auth, accounts, transaction, fraud, PII services for internal customers in Golang
- Second Life - Integrated payment service provider (PSP) APIs using Django and MySQL

Los Alamos National Lab

Post Masters Program

2013

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

PROJECTS

Blastro

2023

- Top down, 2D space shooter in Godot. Experimenting with ChatGPT and Stable Diffusion for development

Sockhop

2020-2022

- Sockhop is a browser-based video chat app (React, Node / Typescript) where participants can move themselves around a 2D space, and play simple games together. Try it at sockhop.me/room/mountains

SKILLS

- Programming: Python, PyTorch, Golang, SQL, TypeScript
- Tools & Platforms: AWS, Docker, Git, SageMaker, Elasticsearch, OAuth 2.0
- Soft Skills: Technical Communication, Automated Testing, Problem-Solving, Empathy

EDUCATION

University of New Mexico

Masters of Science Computer Science

2011 - 2012

University of Montana

Bachelor of Science Computer Science

2007 - 2011