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San Francisco, CA

LUKE PERSOLA

AI Engineer

lukepersola.com

🌐 Persola

📄 LukePersola

Staff Software Engineer

Dec 2023 – Present

Amotions AI

San Francisco

- Prototyped, launched, and led ongoing development of an LLM-based real time sales call assistant
- Led development of an LLM-based management training chatbot
- Implemented RAG over PDFs (LangChain, OpenAI embeddings, Pinecone)
- Developed product direction alongside other company leaders
- Defined and documented engineering team process, led meetings
- Managed and mentored a team of junior developers

Software Engineer

2019 – 2023

Contract

Remote

Web development projects involving JavaScript/TypeScript, React, Ruby on Rails, Node, PostgreSQL, and MongoDB

Software Engineer

Dec 2014 – Jan 2018

Demandbase

San Francisco

- Full stack web development (React)
- Wrote SQL transforming terabytes of advertising data (Redshift)
- Implemented ETLs between our data warehouse, S3, caches, 3rd party APIs, etc.
- Owned an internal web app and proactively conducted user interviews to identify and fix pain points, dramatically speeding up data entry tasks
- Fixed data bugs in our pipeline (Kinesis, Hadoop, Redshift)
- Led adoption of agile practices as our team's first scrum master
- Identified and eliminated duplicates in our job queuing system (Sidekiq)

ScrumMaster Certification

Mar 2016

Software Engineer

Sept 2013 – Sept 2014

Perceptive Software

San Francisco

Full stack web development (Rails, JavaScript, MySQL, RabbitMQ)

The Pennsylvania State University

2008 – 2012

Schreyer Honors Scholar

Anthropology major, neuroscience minor, Japanese language minor

Languages

JavaScript

TypeScript

Python

Ruby

Databases

PostgreSQL

Amazon Redshift

Firestore

MongoDB

Data Stores

Redis

Pinecone

Web

React.js

Next.js

Ruby on Rails

LLMs

OpenAI

Gemini

LLM Skills

Prompting

Prompt eng.

Context eng.

Agent dev.

RAG

CSPs

AWS

GCP

Personal project

A structure editor