Jacob J. Lee

jacoblee93@gmail.com   github.com/jacoblee93

San Francisco, CA   jacobscript.dev   linkedin.com/in/jacoblee93

Software engineer and open-source maintainer. Passionate about developers, communities and LLMs.

WORK EXPERIENCE:

LangChain, *Founding Software Engineer*   *May 2023 - Present*
- Leading development and maintenance of LangChain's open-source TypeScript frameworks
  - **LangChain.js** for orchestrating LLMs and other associated components **(2.3m+ monthly downloads)**
  - **LangGraph.js** for building LLM-powered agents
- Creating open-source roadmaps and helping set broader company strategy and abstractions
- Managing and growing the community, creating documentation, tutorials and other content
  - Course with **Andrew Ng**: https://deeplearning.ai/short-courses/build-llm-apps-with-langchain-js/
  - **AWS re:Invent** talk: https://www.youtube.com/watch?v=9oVn3obFY6U
- Contributing to Python LangChain (**93k+ stars**, **19m+ monthly downloads**) and LangGraph frameworks
- Supporting enterprise users, contributing to other initiatives and closed-source products

Remora Software, LLC, *Founder and CEO*   *February 2023 - May 2023*
- Implemented great software to client specifications

Autocode, *Co-Founder and CTO*   *January 2022 - January 2023*
       Co-Founder and Chief Architect   *November 2016 - January 2022*
- Built Node.js hosting platform, real-time collaborative editor and standard library of APIs with autocomplete
  - **600k+ developers**, peak of **21k+ MAU** spending a cumulative **800+ hours/day** writing JS in-editor
  - Routed and ran **120m+ user API requests/day** on AWS Lambda
  - **80%+ of users self-classified as "technical, but not a developer"**
- Mentored, managed and scaled a team of seven engineers and technical contractors
- Invented a federated identity system for using 3rd party APIs with a single credential (**patent #11695774**)
- Managed and moderated a vibrant Discord community of **nearly 40k developers**
- Assisted with fundraising (**$11m+ total**), partnerships, hiring and other processes

Google, *Software Engineer, Google Photos Web*   *August 2015 - November 2016*
- Helped get the right photos to the right people by building intuitive sharing features
- Created a smooth commenting experience within shared albums and photos

OPEN SOURCE:

LangChain.js   https://github.com/langchain-ai/langchainjs
- TypeScript framework for building with LLMs

LangGraph.js   https://github.com/langchain-ai/langgraphjs
- TypeScript framework for building LLM-powered agents

Fully in-browser PDF chatbot   https://github.com/jacoblee93/fully-local-pdf-chatbot
- A full retrieval-augmented generation pipeline **entirely local in the browser** with no backend
- Web app allowing users to upload and chat with a PDF document using natural language
- Supports several local LLMs alongside Transformers.js embeddings, Voy vector store and LangChain.js
- Personal project with **1.6k+ stars**, was **GitHub's top trending developer** in March 2024
- Featured in Google's internal 2023 WebML summit and Ollama's blog

TECHNICAL SKILLS:
- Significant experience with: TypeScript, Node.js, JavaScript, Python, PostgreSQL
- Experience with: Elixir, React and React Native, Vue.js

EDUCATION:

Princeton University, Princeton, NJ   A.B. in Computer Science, Cum Laude