

# Matthew Hosack

Software Engineer

## About

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## Languages

C Python Go Javascript  
C++

## Frameworks/Libraries

Svelte Flask Tailwind

## Technologies

PostgreSQL MongoDB  
Celery Nginx Docker

## Tools

ffmpeg sox jq

## Languages

English (Native speaker)  
German (Conversational)

## Interests

### Music

Guitar  
Piano  
Electronic Music  
Jazz Improvisation

### Homebrewing

Craft Beer  
American IPA  
Fermentation

## Summary

Born and raised in the San Francisco Bay Area, I bring 13 years of software engineering expertise, spanning audio DSP, web application development, and backend systems. In Berlin, I contributed to Ableton's packs infrastructure, focusing on internal web systems for the past 4 years. I'm proficient in Python, Go, and C, with strong experience in Postgres, MongoDB, NGINX, and API frameworks like Flask and FastAPI. While I have deep roots in audio technologies, my current focus is backend engineering in Go, with a long-term goal of leveraging my communication skills and collaborative nature in a management role.

## Experience

Ableton  
Software Engineer

12/2020 - Present

Architected, wrote, deployed, and supported a custom Continuous Integration system enabling sound designers to build content for packs, perform static analysis on devices, and automatically deploy content to Live users. I also built and deployed various internal tools for content discovery.

- Python
- Go
- Flask
- Celery
- Svelte

Dolby Laboratories  
Senior Software Engineer

09/2013 - 11/2019

As a senior software engineer I lead projects delivering embedded-C SDKs for partners like Apple and Netflix to implement professional-grade Dolby audio technologies into their broadcast systems.

- C
- Python
- Audio Compression
- Audio Codecs
- Audio DSP

THX Ltd.  
Systems Engineer

01/2011 - 05/2013

After an internship I was brought on fulltime. My responsibilities revolved around testing of home theater equipment, outfitting Lincoln vehicles with test equipment, and designing mock iOS and networked audio video receiver prototypes with the R&D team.

## Education

Sonoma State University  
Bachelor of Science Electrical Engineering

07/2005 - 05/2011

Sonoma State University  
Bachelor of Arts Music: Jazz Studies

07/2005 - 05/2011

## References

— Adam Mannegren, Software Engineer / Product Owner @ Ableton