ALEX MARTIN

SOFTWARE ENGINEER - NASHVILLE, TN & REMOTE

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A BIT ABOUT ME

I was born and raised in Nashville, TN. I was always curious about how things worked, wondered if I could improve them, and what contraptions I could make myself. I dove into analog circuit design, first with guitar effects pedals, and ultimately with amplifier design and repair. I'm a tinkerer at heart, and I believe I was always doomed to be an engineer. Following my career in analog circuits, I fell in love with what I'd call their digital counterparts - JavaScript modules, Python scripts, and shell commands. Learning new skills keeps me energized, and I look forward to a career in designing, building, and maintaining powerful and meaningful codebases.

PROFFESIONAL EXPERIENCE

Associate, Outreach Innovation

Lyft 2019 - 2021

- Built team metrics tracking system with Google App Script, SQL and Mode
- Selected to pioneer & design new Fleet Acquisition & Lux Black teams
- Subject matter expert for spreadsheets, automation, and process design
- Phone, Email, SMS support for applying & existing Lyft drivers and livery chauffeur businesses
- Awards: Most Impactful Conversation x2, Most Incremental Activations

Electronics Technician

Nashville Amplifier Service 2017 -2019

- Repaired guitar, bass, and loudspeaker amplifiers, tube and solid state
- Constantly learned new and in-depth aspects of electronic circuit design
- Developed systems for task delegation, priority management, and inventory using Quickbooks and Google Apps
- Created new client tracking system, reduced overdue work to nearly zero by converting ticketing system from paper to Google Sheets

Music Supervision

35Sound 2013 - 2017

- Administrative, editorial, and recording engineering for film and TV
  - *I Saw The Light* (Sony Pictures Classics, 2016)
  - *Soundbreaking* (PBS, 2016)
  - *Still The King* (CMT, 2016-2017) (Seasons 1 & 2)
  - *Soundtracks* (CNN, 2017)

EDUCATION

Nashville Software School
FULL STACK WEB DEVELOPMENT - REACT, PYTHON, DJANGO

Kenyon College
BA - MUSIC THEORY & COMPOSITION

TECHNICAL EXPERIENCE

Nashville Software School 2021
NSS is a six-month intensive, full-time software development bootcamp focusing on HTML, CSS, JS, React and server-side fundamentals with Python and Django

- Single-page React application development with a focus on ES6+JS features, modular code & CRUD functionality
- Project management with issue tickets, GitHub Projects
- Database planning by building entity relationship diagrams to define relationships, emphasizing flat data structures
- Styling with CSS, Bootstrap & Material UI
- Completed 6 group project sprints while fully remote, comfortable with Slack, Zoom, GitHub, etc.

The Web Developer Bootcamp - Colt Steele - 2020
A 63 hour Udemy course focused on a fullstack CRUD app

- HTML/CSS/JS, Node.js, Express, EJS, MongoDB

Automate The Boring Stuff w/ Python, Al Sweigart

Eloquent JavaScript, book by Marijn Haverbeke

PROJECTS

Oil - Keep things moving smoothly
- A solo React & Django app that helps users manage and share long term commitments
- A user can create a recurring "job" (Oil the mower), a frequency ("every 90 days"), and the date of the last completion
- A user can see all jobs that are due in the "Today" view, where the frequency has lapsed since the "last completed date". The user can mark the job as completed, and the "last completed date" will update to today's date
- Users can search for and invite other users to become "friends". Friends can then invite each other to join a "job", adding shared jobs to the "Today" view when they are due. Any user attached to a job can mark it as "done."
- Tech Stack includes React, Material-UI, Python, Django, et al.

TipHat - Appreciate your music
- A solo React app that raises awareness about artist compensation in the streaming age
- A user can generate a personal listening report based on their listening history from the last.fm API
- Each line shows the artists's payout based on the user's streaming service, and compares that amount to other potential revenue sources (CD & LP sale, ect.), calculating a suggestion donation to an artist
- Tech Stack includes React, Material-UI, json-server, et al.