

James Tillman

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Full-stack junior developer with a year of experience using a variety of front and backend technologies. A love of technology spanning back to jail-breaking the first iPhones and unique technical and creative experience in the music industry.

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, TypeScript, Ruby, SQL, HTML, CSS

Frameworks & Tools: Ruby on Rails, Sinatra, React, Node.js, SQLite, PostgreSQL, Active Record, GitHub, Git, Wordpress, Squarespace, Tweet Deck, Replit.io, Slack, Discord, Spring Boot, Vue.js

Libraries and Testing: React-Query, React-Routing, Redux (& Hooks), _lodash, Discord.js, OmniAuth, Nokogiri, pg_search, Devise, Faker, Jest, Capybara, Cypress, JSON: API Serializer, P5.js, JUnit, JUNG

UI & Visual: TailwindCSS, Bootstrap, MaterialUI, DaisyUI, Figma, Responsive Design

Audio & Visual Media Tools: Pro Tools, Logic Pro, Ableton, Adobe Creative Suite (Audition, Photoshop, Lightroom, Illustrator, InDesign, Premiere Pro, and Acrobat), Audacity, Izotope RX, Dante (cert.), Audio Engineering, Additive Synthesis

TECHNICAL PROJECTS

Quebert

Custom bot and Ruby on Rails REST API for the largest Web3 jobs Discord server (20,000+ members). Deployed to Heroku. Assists in community growth and maintenance by automating a variety of tasks while providing potential leads for launch.

- Written in JavaScript, refactored in TypeScript, & deployed to Heroku on Node.js using the Discord.js library to automate repetitive tasks; supported with a Ruby on Rails REST API persisting data to PostgreSQL
- Provides a suite of custom-built tools to manage the community, reducing management time spent moderating by 60% day over day. Increased subscriber growth by over 20% in first month of deployment

Force Drawn Graphs

Java Spring Boot app utilizing WikiMedia publicly available data dumps. Application analyzes 210m + records creating a force-directed graph which represents Wikipedia in 3D space based on how articles are linked using nodes and edges.

- Utilizes SpringBoot, Maven and PostgreSQL to persist some 120m links in tandem with the JUNG Kamada-Kawai layout algorithm to build a graphSet and then transmit that data for visualization
- Tracks and logs statistics and calculations on the dataset building process to analyze and evaluate solutions

EXPERIENCE

Geek Squad | Denver, CO: *Agent*

September 2022 – Present

- Provide in home technical support, custom installation, and repair of electronics
- Deliver exceptional service for customers through open communication, time management, and seeking collaborative solutions based on a deep technical background

Busbee Inc. | Los Angeles, CA: *Assistant*

August 2019 – April 2021

- Produced, edited, & recorded songs & albums for a variety of world-renowned, and award-winning artists
- Executed all schedule, travel, logistics and communication for CEO's professional and personal business
- Managed mission critical technology and recording studio facilities in LA and Nashville for daily writing and recording sessions for all of Mr. Busbee's signed and prospective writers, producers, and multiple award winning artists

Pro Audio LA | Los Angeles, CA: *Tech & Social Media Manager*

January 2019 – December 2019

- Designed, developed, & deployed custom audio solutions for clients for a variety of recording studios and live venues
- Handmade custom cabling, repaired electronics, and custom fabricated components for no compromise audio solutions
- Managed and grew company brand on social-media through creating and curating custom content, increasing interactions resulting in a more than 50% growth in engagement and 25% follower growth in under a month

EDUCATION

Tech Elevator | Java/JavaScript Full-Stack Coding Bootcamp

The Flatiron School | Ruby/JavaScript Self-Paced Coding Bootcamp

Univ. of Cincinnati | BA, Commercial Music Production & AB, Business: Entrepreneurship