

# JEFF CARDINAL

Brooklyn, New York • (678)-314-0200 • jeffjcardinal@gmail.com

## EDUCATION

### University of Georgia

Athens, GA

Bachelor of Science, Computer Science

Spring 2018

## TECHNOLOGIES

React

Node.js

JavaScript/  
TypeScript

GCP/AWS

Java 11/ Spring Boot

Bash

Python 3

OAuth 2.0

Microservice  
Architecture

JUnit/Jest

Kubernetes/Docker

CI/CD

## EXPERIENCE

May 2021 – May 2024

Greenlight Financial Tech

Atlanta, GA

Software Engineer II

### BET/Krona

- Full-stack engineer for the customer service internal tool Commander
- Create functional components in React for web app UI, connecting to Node.js backend
- Implement AWS event solving for one-time card ordering issue, reducing customer support calls by 90%
- Write Golang code to implement key user id filtering for feature toggles which saw use company-wide

### Spend Save Give

- Improve transaction history, the most used feature on app, by implementing new categorization logic
- **Cards**
  - Design and implement new PIN set screen using React
  - Improve card activation/lifecycle processes in Node.js API to reduce customer service calls by 39%
  - Use TypeScript to process card events with workers and jobs
  - Improve and maintain end-to-end test suite
  - Work with third-party vendor to implement features and integrate with their API and event system
  - Build dashboards, create metrics and monitoring, and on-call paging support provided via DataDog

Jan 2018 – May 2021

The Home Depot

Atlanta, GA

Software Engineer

### **SKU Mapping Store Infrastructure**

- Design and implement app suite to dynamically send SKU to taxability mappings to store servers
- Develop UI in React for tax accountants to paginate, filter, sort, upload and edit SKU mapping data
- Dynamic tax mapping reduces time to update a SKU from several days to 1 minute
- Create Spring Boot SKU Mapping API to publish Pub/Sub messages from UI
- Use Micronaut to process up to 50,000 messages per day and update CouchDB document store
- Lead effort to secure app-to-app connections using OAuth 2.0

### **Tax Service**

- Design and implement a Common Tax API to serve as single source of truth for all of The Home Depot's sales, use and appliance tax transactions, reducing the number of applications serving tax from 3 to 1 and onboarded 10+ internal clients
- Spring Boot app serving 400 million transactions per year and scaling
- Maintain, query, and migrate MySQL and PostgreSQL databases
- Write Bash and Python scripts to support critical business processes, reducing risk of store SKU mapping failure by 95%
- Build CICD pipelines in Concourse and TeamCity, innovating test suite with expanded integration tests
- Provide production support, metrics, and monitoring with Wavefront, New Relic, Splunk, and Looker
- Create, deploy, and orchestrate Docker images to cloud platforms such as GCP and PCF

**2015 – Current**

**PLUS100, LLC**

**Atlanta, GA**

*Owner, Art Director, Musician*

### **PLUS100, LLC**

- 25 million+ streams, 15,000+ physical records sold to 10,000+ customers built from grassroots campaigns
- Create and manufacture vinyl records, cassette tapes, CDs, and other niche products to distribute worldwide in both web shops and physical stores in Japan, The Netherlands, UK, and the United States
- Promote via social media marketing campaigns and editorial and algorithmic playlists
- Create artwork, produce, mix and master music for 50+ releases
- Design Shopify and Bandcamp storefronts, use analytics to implement new marketing strategies
- Synthesizer patching – Implement proprietary waveform via C using open-source Korg SDK
- VST3 plugin using JUCE and Max – design and implement GUI, implement DSP via C++ to create audio FX portable to Mac and PC for use in any DAW