JEFF CARDINAL

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EDUCATION

University of Georgia	**Athens, GA**
Bachelor of Science, Computer Science	*Spring 2018*

TECHNOLOGIES

React	Node.js	JavaScript/TypeScript	GCP/AWS
Java Spring Boot	Bash	Python 3	OAuth 2.0
Microservices	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% for this issue
- 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 and backend logic 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 using AWS push/pull architecture
- Improve end-to-end test suite by increasing coverage for card flows from 65% to 90%
- 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 and Sentry
- Migrate code components from monolith to microservices and convert to TypeScript

Jan 2018 – May 2021	**The Home Depot**	**Atlanta, GA**

Software Engineer

SKU Mapping Store Infrastructure
- Design and implement app suite to dynamically send SKU-taxability maps to stores
- Develop React UI for tax accountants to paginate, filter, sort, and manipulate SKU maps
- 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