

# Turner Strayhorn

Fullstack Software Engineer with 5+ years of experience and strong coding and systems design skills gathered from a diverse professional background across multiple industries.

## EXPERIENCE

### **Director Of Technology & Facilities** – Camp Illahee – Brevard, NC

March 2021 - December 2022

Director at a residential summer camp with a startup culture and fast-paced environment.

- Built a suite of in-house software using Node.js/Express, React, PHP, and MySQL that streamlined camp operations and enhanced the camper/parent experience with payments, forms, and camper communications.
- Demonstrated strong adaptability and problem-solving by being deeply involved throughout all aspects of the business.
- Led a team of up to 8 seasonal and 4 year-round employees while also an individual contributor. Engaged in the hiring process for new staff members.

### **Software Dev. Eng. II** – Amazon Advertising – Boulder, CO

July 2019 - March 2021

SDE II that built distributed services on AWS for delivery of thousands of terabytes of log-level ad events and impressions data with unique output schemas for each partner.

- Key player in design and implementation of a near real-time data delivery pipeline that used CDK, API Gateway, Kinesis Firehose and AWS Fargate. The service regularly passed 1 million TPS and sanitized customer PII for delivery to partners.
- Took initiative to understand a service my team inherited and identified the needs for feature parity within our existing service. Modified that existing service and successfully shut down the inherited service resulting in major cost savings.
- Built an operations website for our team using React.JS and AWS API Gateway/Lambda serverless backend to give the team better insight into our service health.

### **Software Dev. Eng. I/II** – Amazon Alexa – Seattle, WA

August 2017 - July 2019

Member of the Alexa Music team for almost two years. I spent much of my tenure building a better developer experience for music services such as Spotify.

- Core contributor on a multi-year effort to create a self-serve onboarding experience for our music service partners. Became an Alexa org-wide expert on all aspects of Alexa Skills creation flow including the website with Django backend, React frontend.
- Significantly refactored the Alexa music Java service to improve the customer experience. Optimized CPU utilization in our EC2 instances resulting in fleet reduction savings of over \$30k/month.
- Created APIs to satisfy Apple Music requirements to onboard on to Alexa.

### **SDE Intern** – Amazon Retail – Amazon Launchpad – Seattle, WA

May 2016 - August 2016

- Created a feedback tool for Amazon product pages using Java Spring and DynamoDB.

Brevard, NC

[turnerstray@gmail.com](mailto:turnerstray@gmail.com)

[turnerstrayhorn.com](http://turnerstrayhorn.com)

## PROGRAMMING LANGUAGES

Java (Preferred), Python, Javascript, Typescript, Scala, C++, PHP, C Sharp

## PLATFORMS AND FRAMEWORKS

AWS API Gateway, Serverless Application Model, NoSQL, Event Driven Architecture, Distributed Systems Design, ETL, Spark, Hadoop, Docker, MVC, React, AWS Lambda, Cloudformation/CDK, Node.JS, AWS Cloudwatch, EC2, Elasticsearch, Fargate, S3

## EDUCATION

**Vanderbilt University**  
Nashville, TN

BS Computer Science  
May 2017

## LINKS

<https://www.linkedin.com/in/turner-strayhorn/>

<https://github.com/renrut>

## HOBBIES

Woodworking, Embedded Systems Design and Development, Machining, Paragliding, Running, Climbing, Skiing, Finding New Hobbies