

Terry Roy | Software Developer

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TECHNICAL SKILLS

Proficient Languages: React, Java, Javascript, Python

Familiar Languages: Kotlin, C++, C, Scala, Golang, C#

Tools: AWS (DynamoDB, Lambda, Glue, ES, S3, EC2), IntelliJ, Visual Studio, GitHub, Unity Game Engine

WORK EXPERIENCE

Amazon Software Development Engineer 2 Java, React | *Apr 2023 - Present* | *New York, NY*

- Fullstack developer on Order Management team - web application with React frontend, Java REST API backend.
- Refactor OMS UI tables using AgGrid to support inline editing directly in table for ad products, enabled customers to save around 14,000 hrs/year. Create UI mocks for this feature due to resource constraints with UX team
- Update backend for legal and yield teams to approve new ad products referred to as deals. Made UI changes to load deal data from partner team. Deal support enables millions in added revenue.
- Introduced multithreading for api calls reducing page load times by more than 50%. Partner team did not implement batch APIs, decided to go with multithreading to improve performance

Amazon Software Development Engineer 1 Java, React | *Sep 2020 - Apr 2023* | *New York, NY*

- Built new reporting infrastructure managed by AWS CDK pipeline. Lambdas invoked by EventBridge dumped daily reports to S3 buckets for use by OMS product, finance, and legal teams. Enabled teams to prioritize which campaigns to trigger manual approval for saving hours spent manually reviewing campaigns
- Created pipeline daily dump of OMS DynamoDB data into Glue database which is being utilized by more than 3 partner teams, automating data to be accessible for BI teams saved weeks of dev effort building manual reports
- Wrote UI for External IO approval, customers can approve IO via website rather than sending emails back and forth saving hours of time

Power Advocate Software Developer Co Op Java, React, Node.js | *Aug 2019 - Dec 2019* | *Boston, MA*

- Migrated business logic for Energy Intelligence Platform from legacy Java mono repo to Node.js and React micro services
- Pair programmed on all projects - collaborated with new partner on new project every few weeks
- Projects included new UI to view energy metrics via charts, improved search functionality built on top of elastic search

Amazon Web Services Software Development Intern Scala, Golang, Java | *May 2019 - Aug 2019* | *Seattle, WA*

- Enabled first party integration of AWS Elastic File System with AWS Codebuild
- Persist intermediate build artifacts or cached dependencies across builds, reducing build times for consecutive builds
- Developers can access files from EFS at build time and build larger projects which don't fit in docker volumes

PROJECTS (theterryroy.com/projects)

Chai App Node.js, React Native | *May 2020 - May 2021* | *New York, NY*

- App designed to have conversations on mental health, 1000 installs on Google Play and 400 installs on Apple App store
- Full production app utilizing Expo for deploying and packaging to both iPhone and Android. Backend built on Google Firebase Cloud Firestore, used Firebase Cloud Functions for business logic. Front end in React Native.
- Designed and optimized app's UI and UX with Inkscape, Lottie, and Adobe After Effects

EDUCATION

Northeastern University *Boston, MA*

Khoury College of Computer and Information Science

Bachelor of Science in Computer Science and a minor in Mathematics