

Indrajeet Aditya Roy

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OBJECTIVE

Full stack software engineer looking to build innovative solutions, gain professional experience and work with interesting people.

EDUCATION

B.S Software Engineering, Iowa State University

Aug 2018 - May 2022

M.S Computer Engineering (Computer Vision & ML Concentration), Northeastern University

Sept 2023 - Present

SKILLS

Programming Languages: Java, Python, C, C++, Javascript, Typescript, HTML5 & CSS3, Kotlin, Elixir, Ruby

Python Libraries: Pandas, Numpy, Dask, SQLAlchemy

Web Development Frameworks: Django, Flask, React, Vue, NodeJS, Rails, Phoenix, Spring, Spring Boot

Mobile Development Libraries: Android (Retrofit, Glide, Hilt/Dagger, Room, RxJava, Coroutines, Moshi, LiveData, ViewModel)

Database Systems: Relational (MySQL, PostgreSQL), NoSQL (DynamoDB, Redis)

Dev Tools/Applications: Github, GitBucket, Jenkins, Docker, Docker-compose, VirtualBox, Maven, Kafka

Cloud Platforms: AWS (API Gateway, Lambda, EC2, RDS, S3, SQS)

WORK EXPERIENCE

The RealReal (San Francisco, CA)

June 2022 – Aug 2023

Software Engineer

- **Project: "Pricing Estimator & Customer360" - Data Aggregation/Analytics Tool**
 - **Objective:** Optimize data-driven decision-making based on a customer's profile, preferences and historic purchasing/consignment behavior.
 - **Tech Stack:** Ruby Rails (Resque, Redis), Elixir (Dataloader, Absinthe, Ecto), GraphQL, OpenSearch, Python, React (Redux, Axios, Apollo)
 - **Impact:** Increased consignment traffic and revenue by 30% post feature launch.
- **Project: Engineering Org Feature Flag Vendor Migration**
 - **Objective:** Transition engineering org feature flag service from LaunchDarkly to Harness. Develop tools suite for automation, feature flag evaluation & migration
 - **Tech Stack:** Python, Elixir (Ecto, Oban, Broadway), Ruby Rails (Resque)
 - **Impact:** Achieved org vendor cost optimization; streamlined system transition for developers.
- **Project: "Get Paid Now" - Customer Seller Program**
 - **Objective:** Boost customer consignment traffic.
 - **Tech Stack:** Elixir (Dataloader, Absinthe, Ecto, Oban), GraphQL, Okta, OpenSearch, React (Redux, Axios, Apollo).
 - **Impact:** Increased user traffic and retention by 35% post program launch.

The RealReal (San Francisco, CA)

June 2021 – Aug 2021

Software Engineering Intern

- **Project: TRR Website Consignor Workflow Refactor**
 - **Objective:** Transition TRR website consignor workflow from Elixir Phoenix framework to a React ecosystem
 - **Tech Stack:** Elixir (Phoenix), React (Redux, Axios, Apollo), Next.js, Vercel.
 - **Impact:** Increased user consignment traffic and user retention rates post-refactor.

Carlin Fit (Philadelphia, PA)

May 2020 – Aug 2020

Software Engineering Intern

- **Project: Purple Bug UV Light Cleaner companion app**
 - **Objective:** Develop ios/android mobile app for communication and pairing with UV light hardware component
 - **Tech Stack:** Swift (iOS), Java/Kotlin (Android), Python (backend API).
 - **Result:** Fully functional Beta versions of the app were available on Android/ios platforms.

RESEARCH

- De-anonymization and DOS attacks against decentralized networks. ([View Paper](#))