

☰ SUMMARY

Languages	Python, Java, TypeScript/JavaScript, C, Objective-C, SQL/NoSQL, Assembly, VHDL
Tools & Technologies	Docker, Kubernetes, CI/CD, NodeJS, React/React Native, AWS, IBM Cloud, TensorFlow, Git

👛 EXPERIENCE

Amazon – Software Development Engineer Intern

MAY 2022 – AUG 2022

- › Developed on Cradle; an internal big data processing tool running over 1.20MM jobs/week
- › Architected and designed data previewing function for Cradle, reducing internal AWS EC2 & S3 resources
- › Maintained Cradle's deployment architecture by fixing configuration mismatches and CI/CD pipeline issues
- › Implemented Angular.js to React migration for Cradle, improving front-end load times by 1134%

Java React TypeScript Angular.js

IBM – Software Engineer Intern

MAY 2020 – APR 2022

- › Developed a z/OS mainframe debugger used by 300+ engineers in the GTS organization
- › Supervised a team of 5 interns/new-grads through pair programming, 1:1s, code reviews, and tech syncs
- › Architected a support ticket queue monitoring bot to re-route misplaced tickets, increasing NPS scores by 30%
- › Deployed 3 applications through cross-functional teams using Docker, Kubernetes, and CI/CD pipelines

Docker Kubernetes IBM Cloud NodeJS Python

LunaID – Mobile Application Developer

JAN 2021 – AUG 2021

- › Developed Android and iOS apps that classifies insects and recommends pesticides for agricultural farmers
- › Constructed a data pipeline to annotate large image datasets for object classification training
- › Designed backend architecture that re-piped user submitted images for further CV training, increasing model accuracy by 22%
- › Compiled and deployed mobile app to the Apple App Store and Google Play Store for enterprise use

React Native Computer Vision Python NodeJS

💻 PROJECTS

Youtube Video Synchronizer

🔗 Website

- › Developed a full-stack web application to watch YouTube videos with others synchronously
- › Synchronized concurrent user activity using websockets, serving 5800+ unique monthly visitors from 32+ countries

Websockets Concurrency NodeJS CSS

Password Manager

🐙 Github Repo

- › Created a Python password manager CLI using bcrypt hashing and AES-128 encryption
- › Implemented password salting and peppering for security against brute force and rainbow table attacks

Python Encryption Hashing

Automated Classifieds Bot

🐙 Github Repo

- › Created a Python bot to identify high-margin classified listings and notify users via email
- › Automated and deployed bot using an AWS EC2 instance, handling email notifications with smtp protocol

Python AWS Web scraping

AnonBoard - 4th at IBM Hackathon

📺 YouTube

- › Developed an online job board that aims to remove racial bias in the hiring process
- › Utilized computer vision and natural language processing to censor discriminable personal information on a resume

Python NodeJS Computer Vision NLP