

Jodie Xiang

✉ jodie.xiang144@gmail.com

🔗 jodiex

in jodie-xiang

🌐 jodiexiang.me

Education

Bachelor of Computer Science

University of Waterloo

◦ Waterloo, ON

Sept 2018 – Apr 2023

- Major GPA: 3.7/4.0, President's Scholarship of Distinction, Honour Roll
- **Relevant Courses:** Algorithms, Data Structures, Distributed Systems, Databases, Concurrent/Parallel Programming, User Interfaces, Operating Systems, Networks, Security, Software Design and Architecture, AI, Machine Learning

Skills

- **Languages:** Python, Java, Javascript/Typescript, C/C++, HTML/CSS, SQL
- **Technologies:** React, Redux, GraphQL, Django, AWS, Node, Spring, Postgres, Flask, Docker

Experience

Medallion

San Francisco, CA

◦ Software Engineer

Jul 2023 – present

- Developed a service using **Python/Django** to automate the verification of healthcare providers' credentials, achieving a processing time of <30 seconds for thousands of providers with a 70% verification success rate
- Eliminated the need to re-process credentialing files due to errors by enabling users to update their files; built **GraphQL** mutations and utilized **Celery** task queue to asynchronously process bulk updates

Gem

San Francisco, CA

◦ Software Engineering Intern

Sep 2022 – Dec 2022

- Architected and developed a self-serve module for clients to sync custom data from SAP SuccessFactors into Gem's platform, reducing manual engineering overhead by several hours per client
- Built **GraphQL** mutations/resolvers and a user-friendly interface in **React/Typescript** for clients to configure their data sync, as well as **Python** utilities to dynamically fetch and transform SuccessFactors data based on client configurations

Amazon

Vancouver, BC

◦ Software Development Engineering Intern

May 2022 – Aug 2022

- Streamlined the customer onboarding process for accounting transaction system by building a portal which dynamically generates complex account configurations for customers, saving hours of manual effort per onboarding
- Owned the project development life cycle end-to-end: identified project requirements and goals; scoped out tasks and established project timeline; designed the backend architecture, database schema, application workflows, and UI mocks
- Implemented a set of **AWS Lambda functions** to retrieve onboarding data from an internal API and cache it in **DynamoDB** tables, and leveraged **AWS Eventbridge** to trigger these Lambdas and update the cache regularly
- Developed a **GraphQL API** using **AWS AppSync** for clients to interface with data stored in DynamoDB
- Built a multi-page UI consisting of 20+ **React** components, with a focus on modularity, reusability and extensibility

Carta

Waterloo, ON

◦ Software Engineering Intern

Sep 2021 – Dec 2021

- Developed a **REST** endpoint with **Java/Spring** to deprecate stock vesting templates; led design discussions with multiple engineers and designers and wrote technical design document
- Increased visibility into product usage by implementing user analytics tracking in critical workflows through **Amplitude**

OANDA

Toronto, ON

◦ Full-stack Software Developer Intern

Jan 2021 – Apr 2021

- Spearheaded the development of a new **Flask microservice** to integrate an external identity verification API with OANDA's user registration process, increasing registration success rates by 20+%
- Reduced code coupling by refactoring code from monolithic user registration service into new Flask microservice
- Migrated **Angular** components to **React/TypeScript** and **Formik** for a new streamlined user registration flow

PointClickCare

Mississauga, ON

◦ Software Engineering Intern

May 2020 – Aug 2020

- Improved the document search engine by introducing partial document matches, increasing the number of search results by 10+% for hundreds of searches daily
- Implemented a **REST API** using **Java/Spring** to store documents in **Azure Blob Storage**
- Developed a solution to resolve an error case where customer details were outdated or missing for 20% of customers