

Ansh Vidyarthi

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TECHNICAL SKILLS

Strong: React Native, GraphQL, AWS Lambda, AWS Cloudwatch, AWS Elasticache, redis, Javascript/Typescript, Java, React JS, Express, Node JS, Spring-boot, Python, J-Unit, GIT, Algorithms, Data Structures, MySQL, SQL, Kotlin, Swift, Objective C, Jest, Next JS, Solito, Gitlab CICD

Experienced: R, HTML, C, C++, MySQL, Elastic Search, Express, Node JS, Flask, Swagger, Sequelize, Docker, Kubernetes

WORK EXPERIENCE

Amazon Inc. – Amazon Music

Software Development Engineer 2

October 2023 - Present

- Implemented POC for SSR of new Amazon Music application pages to leverage SEO via NextJS integration
- GraphQL, Lambda API latency issue resolution with dataloaders and caching enhancements.
- Wrote load testing programs for client side latency optimizations via parallel multi lambda execution of graphql backend APIs.
- Used cloudwatch to track segmented request latency data to identify the bottlenecks across different service calls.
- Dropped the latency of the main developer api to fetch album details by ~25%.

Levi Strauss and Co – Order Fulfillment Application

Senior Software Engineer

May 2023 – October 2023

- Built the in app tracking functionality for packing delivery orders end to end using AWS microservices in the backend and JavaScript (React Native) on frontend.
- Defined a backend API in Spring-boot order service backend application via which developers could pull the details of specific customer orders from the backend in AWS S3.
- Enabled Single Sign On using MSAL + keychain sharing for the fulfillment application and wrote a guide for other devs,
- Was one in a team of two who built the entire fulfillment application UI for employees to ship customer orders from in store.

Amazon Inc. – Devices (Halo Health Technology)

Software Development Engineer - Platform Team

August 2021 - June 2023

- Designed and implemented the application infrastructure support for multiple-devices as well as a digital only user experience from an app that only supported a single-device. (Javascript in React Native, Swift, Objective C, and Kotlin)
- Built a platform agnostic solution for traceability of app events to eliminate the need for native modules in react native. The solution was a central event pub sub system defined on all platforms that interchanged events via React's event emitter, Android's Channel, and Swift Async stream. This reduced the time for cross platform communication from 2-3 dev days to minutes.
- Worked with customer teams to build custom, flexible platform level components for the different teams in the app to inject content into, both at build time and at runtime.
- Implemented high coverage unit tests for all new/existing components via react native's jest testing framework.
- Managed a java Spring back-end tier 1 service which handled feature gating by user pool. Our customer teams would use our service to remotely adjust customer experience based on remote modifications of user pools.

Drishticon Inc. – Engineering Team (PART-TIME)

Software Development Engineer

June 2019 – October 2023

- Enabled HTTPS communication to a company internal web application by introducing a SSL certificate + load balancer layer in the application architecture.
- Designed a plan to enable autoscaling of the Nginx web app that was deployed on one AWS server.
- Designed and implemented Rest APIs as well as unit tests using Spring-boot, Java 8, Mockito, and J-Unit to automate the calculations regarding commission payouts to Sales personnel.
- Designed the database schema in MySQL to store the associated entities and built UI via React JS.

PROGRAMMING PROJECTS

Private Acquisition Valuator

June 2022-October 2022

- Built Rest APIs through Express on Node JS, used MySQL as the backend database, and implemented UI via React JS.

EDUCATION

UNIVERSITY OF WASHINGTON: Seattle, WA

Sept 2018 - June 2021

B.S. Computer Science

GPA: 3.7