Nitin Ankad

469-576-0584 | nitin.ankad.340@gmail.com | linkedin.com/in/nitinankad | github.com/nitinankad

SKILLS

Languages: Java, Python, Kotlin, JavaScript, SQL, TypeScript, HTML, CSS, Ruby
Frameworks: Django, Ruby on Rails, React, Redux, Node.js, Express.js, Socket.IO
Tools: Git, AWS, GCP, Netlify, Heroku, DigitalOcean, PostgreSQL, Redis, Docker, CDK

EXPERIENCE

Amazon Web Services   April 2022 – Present
Software Development Engineer I

- Implementing UI components in **React, TypeScript** and **Ruby on Rails** for a deployment orchestration engine website that orchestrates **20 million** deployments per month
- Querying historical data using **Athena, Glue, S3, SQS** and **Lambda** to save developer time spent on manually crafting SQL queries
- Writing REST API endpoints with **AWS API Gateway** and **AWS Lambda** to retrieve records from DynamoDB resulting in improved data accessibility
- Extracting data from a cross-account **DynamoDB** table into **Redshift** using DynamoDB Global Tables and **AWS Kinesis Streams** in order to reduce manual effort when executing SQL queries
- Modifying an existing DynamoDB table to efficiently store and query a tree-like data structure using a Global Secondary Index which improved API response time by **80%**

Amazon Web Services   June 2021 – August 2021
Software Development Engineer Intern

- Worked on the Continuous Delivery team on an internal tool called Pipelines which orchestrates 12 million deployments per month
- Designed a **DynamoDB** table schema to store data and efficiently query data using a Global Secondary Index
- Implemented REST API endpoints using a proprietary Spring-like framework in Java to fetch items from DynamoDB and retrieve objects from **S3**
- Created a table to display information in a user friendly way using **React, Redux, TypeScript** and **Ruby on Rails**
- Set up a test CI/CD pipeline to ensure that code changes are working as expected using **AWS CDK** and **TypeScript**

PROJECTS

Walrus TV | *Node, Express, PostgreSQL, React, Redis*   joinwalrus.tv

- Developed a full-stack synchronized video streaming platform using React, Node.js and Socket.IO
- Deployed virtual browsers to DigitalOcean Droplets on demand which allowed users to view and control a synchronized web browser using Docker, WebRTC and WebSockets
- Built a feature to load media data from YouTube, Vimeo, Twitch and SoundCloud's REST APIs into the platform
- Assigned requested virtual browsers to rooms based on currently available Droplets to optimize server costs using Node.js and Redis

UTDegree Planner | *Python, Flask, React, Material UI, AWS Lambda*   utdegreeplanner.com

- A drag and drop degree planner using React with over 100 monthly active users to help UTDallas students structure their four-year degree plan
- Developed a feature to load sample degree plans for different majors into the board
- Collaborated with an open source contributor and led the integration of features such as autocomplete, transcript parsing, importing and exporting degree plans and degree plan validation

EDUCATION

University of Texas at Dallas   Richardson, TX
Bachelor of Science in Computer Science   *August 2018 – December 2021*