

Jaideep Kular

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EDUCATION

York University

Expected May 2025

Honours Bachelor of Science in Computer Science

Courses: Software Design, Data Structures Algorithms, Operating System, Database fundamentals

TECHNICAL SKILLS

Languages: Java, Python, C, SQL, JavaScript, HTML, CSS

Frameworks: AWS Lambda, S3, DynamoDb, Django, Flask, Spring, ExpressJS, React, Angular, MySQL, MongoDB

EXPERIENCE

Amazon

May 2023 - Aug 2023

Software Engineer Intern

- Led the design and development of a **Java** service to automate the ad filtering process saving about 10 hours of manual work every week (based on number of customer requests)
- Created a new pipeline to minimize blast radius using **TypeScript** and **AWS CDK**.
- Implemented robust data filtering flow using event triggers in AWS **Lambda** which is scalable for more than **15K** hosts through data transfer between various **DynamoDb** tables and **S3** buckets.
- Created S3 integration to allow for bulk upload through csv files by performing data validation and integrating the data with existing infrastructure. Workflow went from an hour to add and validate changes to merely 5 minutes for the changes to be available worldwide.

Top Hat

Sep 2022 - Dec 2022

Software Engineer Intern

- Developed end to end feature with unit tests for email change verification to enhance security.
- Wrote **Django** views for sign up flow - creating and verifying signup tokens, sending verification emails and updating databases for user info.
- Created **React** Components to show success/error messages by leveraging **Redux-Saga** to handle API responses. Redesigned User Settings page and added form validation using **Formik**.
- Improved rate limiting features for phone number and IP addresses.
- Fixed various bugs related to **Tastypie** framework and updated unit tests.
- Updated legacy code by replacing unstable third party packages with custom logic for verifying JWT token for API endpoint authentication.

Assent

Sep 2021 - Aug 2022

Software Engineer Intern

- Redesigned UI components for better user experience with **Angular (TypeScript)**.
- Implemented Dashboards with drill down feature and utilized Ag-Grid to create dynamic grids with data spanning over multiple different components.
- Helped transition from Zendesk to Salesforce. Developed tables to help register cases and view previously registered case's information including emails related to that case.
- Responsible for data grids to manage Salesforce cases. Optimized API calls for case validation requests by 50%.
- Designed and implemented an extraction tool using **C#** and **.Net** to access the data based on user selections over multiple entities with combined filtering options.

PROJECTS

OpenChat | *React, TailwindCSS, OpenAI*

- Created an AI chatbot using OpenAI's API. Leveraged React hooks to help configure payload.
- Leveraged Tailwind CSS to develop responsive UI.

Trivia game | *React, Express, MongoDB, TailwindCSS, Firebase, Trivia API*

- Designed a full stack quiz app using MERN stack and Trivia api.
- Utilized TailwindCSS to develop responsive UI and make it user friendly.
- Implemented protected routes by leveraging JWT tokens with Firebase authentication.
- Created a dashboard to check past activity and analysis stored using MongoDB.