Andrew Jyan
Fullstack Software Engineer

✉ andrew.jyan4@gmail.com   📱 917-769-2789   in linkedin.com/in/andrew-jyan

WORK EXPERIENCE

Glimpse (YC W20)
Software Engineer

2021   *Engineering*

Achievements

- Designed and launched comprehensive members feature set to a production application with 40,000 users, enabling them to connect and share their profiles on the platform
- Developed members UI in React, Typescript, and Redux, including personal member pages, member search, and an AirTable-like tabular view of members
- Implemented CRUD capabilities for custom member questionnaires in Neo4J database through backend routes, controllers, caches, and queries

Hack Reactor
Software Engineering Immersive Resident

2020 - 2020   *Software Engineering Immersive*

Achievements

- Integrated an end-to-end attendance feature with React, TypeScript, HTML, CSS, Node, Express, and Postgres for an internal student dashboard, migrating data and functionality from the program's G Suite over to the internal platform
- Mentored 40+ students through whiteboarding sessions, technical support, and office hours to solidify their understanding of full stack web development concepts
- Conducted 30+ technical interviews for current and prospective students, assessing technical capability and providing comprehensive feedback

American International Group
Senior Business Analyst

2018 - 2019   *Technology , Risk, and Controls*

Achievements

- Revamped the team's Access database by generating and designing automated reports with SQL tables and queries that efficiently and accurately informed IT leadership on audit vulnerabilities and management action plans on a biweekly basis
- Devised management action plans for AIG's IT compliance to CCPA, RCSA, SOX, and Internal Audit regulations, safeguarding the IT organization from risk

EDUCATION

Information Systems, Specialization in Technological Systems Management, B.S.
Stony Brook University, College of Engineering and Applied Sciences

08/2012 - 05/2016

Software Engineering Immersive
Hack Reactor

02/2020

TECHNICAL SKILLS

`JavaScript` `TypeScript` `React` `Redux` `HTML5`
`CSS` `Sass` `Node.js` `Express` `MongoDB` `SQL`
`PostgreSQL` `Cassandra` `Mocha` `Chai`
`AWS (EC2, S3, Route53, IAM)` `Kubernetes` `Docker`

SOFTWARE PROJECTS

List.en | React · ChartJS · Spotify Web API · HTML · CSS

- Generated data visualizations for user's Spotify playlists, creating radar charts and tables for the playlist's valence, energy, danceability, as well as other audio features based on data from the Spotify Web API
- Incorporated a search feature that allowed users to look up the audio features of any track, including the BPM, key, and other track details
- Hosted application on AWS with an OAuth authentication server, giving users access to their own playlist data by logging in with their Spotify account

Pasterze API | Cassandra · Kubernetes · AWS · Node

- Extracted, cleaned, and loaded 4.7 GB of raw CSV data based on a curated schema with a query first approach. This resulted in a highly available, performant, and partition tolerant database capable of handling 1500 client requests per second with a response time of 12 ms
- Scaled the web server by configuring a Kubernetes cluster and load balancer to increase the client request capabilities to 3200 clients per second with a response time of 13 ms
- Configured a Kubernetes cluster and Cassandra database to AWS with EC2, S3, Route53, and IAM to make the API publicly accessible through an external IP address

Zion | React · Redux · React-Bootstrap · Docker · HTML · CSS

- Maintained a controlled distribution of data flow for product information with Redux/React Router and persisted the user's favorite product choices in local storage
- Implemented a dynamic carousel with React, HTML, and CSS that allowed users to scroll through the related products of an e-commerce website's product page
- Containerized the application with Docker and deployed to an AWS EC2 instance

AWARDS

Toastmasters Area 46 Speech Contest
1st Place Humorous Speech, 1st Place International Speech, 2nd Place Table Topics

Toastmasters Division D Speech Contest
3rd Place Humorous Speech, 3rd Place International Speech

ORGANIZATIONS

Apex for Youth - High School Mentor
(08/2018 - Present)

Toastmasters AIG - VP of Public Relations
(07/2018 - 12/2019)

Toastmasters AIG - Sergeant at Arms
(09/2016 - 07/2018)