Zeki Kural
Software Engineer

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EXPERIENCE

Software Engineer

Northspyre   February 2022 - Current

- Built pipelines to process batch jobs with AWS Lambda functions and export data with the QuickBooks Online API and Nexus Systems.
- Wrote an Open API that clients can use to build integrations with Northspyre in collaboration with the infrastructure team, ensuring user-friendliness, security, and scalability.
- Developed and implemented an OAuth API to securely connect to Square Payments, ensuring the safe and seamless transfer of sensitive financial data which led to a 30% reduction of outstanding invoices.
- Scoped and led the migration of multiple pages from Jinja2 to React, enhancing performance and reducing page load time by 75% through refined task breakdown and ticket management.
- Attended Datadog's DASH 2022 and gave a presentation to the entire engineering organization on improving use of Datadog.
- Founded and led a book club focused on coding principles and software architecture, promoting continuous learning and professional development.

PERSONAL PROJECTS

Beat Match | *(MongoDB/Mongoose, Express.js, React/Redux, Node.js)*   **live** | **github**

A MERN stack team project in which playlists are curated for users based on their current mood.

- Created pipeline to allow users to link their Spotify accounts with the Spotify's API, enabling users to export playlists created with Beat Match and listen to playlists directly on the application.
- Designed MongoDB database in conjunction with Express routing methods, enabling users to save and delete playlists.
- Collaborated with a 4- person team to maintain a unified UI/UX across the entire application and maintain communication through daily stand-ups and one week sprints.

AllJourneys | *(React/Redux, Rails 5, AWS S3, Mapbox API, PostgreSQL, Heroku)*   **live** | **github**

A full-stack single-page app clone of AllTrails, allowing users to browse and review their favorite hikes and parks.

- Implemented custom live text search functionality using Redux and AJAX requests to query PostgreSQL database and return relevant trail and park results to the user.
- Connected the Rails backend Active Storage to AWS S3 for photo storage and organization while maintaining content security with AWS IAM.
- Harnessed the unidirectional state management of Redux to simplify React components and directly manage data for form submissions, allowing user input to be sent to the backend.
- Integrated MapBox APIs for map rendering, static images, and directions, enhancing user experience.
- Built custom back and front end user authentication by combining Rails Active Record, and customized React-Router protected components, making for a secure experience that conceals parts of the application for users without an active session.

SKILLS

Python, React, Redux, TypeScript, JavaScript, Node.js, HTML, CSS, Ruby, Ruby on Rails, Docker, Mongoose, MongoDB, Node.js, Express.js, SQL, SQLite3, PostgreSQL, AWS S3, Webpack, jQuery, Git, Heroku

EDUCATION

SUNY Binghamton - *BA Mathematics, BA Economics, 2015-2019*

AppAcademy - 1000+ hour immersive full stack software engineering course with a < 3% acceptance rate.