Kavan Samra

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Skills

Languages: JavaScript, Python, C++, Swift, HTML, CSS
Libraries: React, Node, Sass, Styled Components, Express, Pandas
Technologies: Amazon Web Services (AWS), Firebase, GraphQL, NoSQL, MongoDB

Education

B.S Computer Science, University of California Santa Cruz
September 2017 - December 2019

Experience

Share Yourself Artists - *Backend Developer (Intern)*

- Developed RESTful API's hosted on a distributed serverless architecture via AWS Lambda.
- Modeled data schemas in a NoSQL datastore to accelerate API response time and reduce costs.
- Implemented and scheduled CRON jobs to support business logic such as refunding payments and ranking trending users/posts on a recurring basis.
- Secured API and database access by enabling user authentication via AWS Cognito and JWT.

Personal Projects

Pokédex - React.js, Node.js, GraphQL, MongoDB
Full Stack - Web app providing quick access to information and stats on all generation of Pokémon

- Developed a Node.js GraphQL API allowing for quick, dynamic queries with pagination support.
- Designed modular, styled components using React and modern CSS including flexbox and grids.
- Implemented front-end caching to reduce the number of server requests and data bandwidth.
- Performed data scraping and cleaning to build a complete dataset which was then stored in a cloud distributed database using MongoDB Atlas.

Startup Analysis - Python, Pandas, NumPy, Bokeh, HTML
Data Analysis and Visualization - Project using data provided by crunchbase.com

- Performed numerical analysis on large datasets to quantify trends using Pandas and NumPy.
- Constructed interactive plots and diagrams using the Python plotting library Bokeh.
- Processed, cleaned, and combined data sets to prepare for further analysis.