

Rahul Chauhan

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EDUCATION

University of Houston

BS in Computer Science, Minor in Mathematics

Houston, TX

May 2021

Awards: President List, Deans List, Transfer Excellence Scholarship 2018 - 2021

Hack Reactor

Software Engineering Immersive Program

Austin, TX

Jun 2020 – Sept 2020

TECHNICAL SKILLS

Languages: JavaScript, C/C++, HTML, CSS, MySQL, MongoDB, PostgreSQL, Java

Frameworks/Developer Tools: React.js, Node.js, Express.js, Material-UI, Jasmine, Mocha, Chai, Git, AWS EC2

TECHNICAL PROJECTS

Frontend Engineer, Retail Chain | *React, Node.js, Express.js, MySQL, AWS, GitFlow*

July 2020

- Led a group of 4 software engineers to implement item detail page for an E-commerce web application with focus on design and functionality
- Designed and built Guest Ratings and Reviews Microservice utilizing React on the front end to dynamically render 100s of products and their reviews
- Leveraged MySQL database to store customer's reviews/ratings, served the microservice using Node.js RESTful API on the backend
- Implemented scalable, service-oriented architecture by deploying the microservice to AWS EC2 instance

Full Stack Engineer, MyGameStocks | *React Hooks, PostgreSQL, Node.js, Express.js, Chart.js*

Sept 2020

- Collaborated with 8 software engineers to build an online catalog of games for collectors to track their game/console value over time
- Utilized PriceCharting API to allow users to search for 1,000+ games/console price and add it to their collection
- Developed an algorithm to update the price of games/console daily and track values in a graph utilizing Char.js

Full Stack Engineer, Yummy | *React, MySQL, Node.js, Express.js, Google Places API, AWS*

Nov 2020

- Built and deployed Yelp-inspired single page application to search for local restaurants, bars and cafes
- Integrated Google Maps API with geolocation-based searching to display listings on map
- Incorporated React and React Hooks to architect highly scalable front-end state management that enabled access to customer reviews and listing information

Backend Engineer, Best Buy Data Scaling | *Node.js, Express.js, MongoDB, K6.js, New Relic*

Aug 2020

- Refactored the server and database of a full stack app to handle 10 million unique data
- Researched and implemented MongoDB indexing on the database collection to optimize the query time for full-text search in a database of 10 million records
- Stress tested the performance of the database locally using K6 and New Relic which yielded better throughput results (500 RPS approx) with an average response time of 25 ms

WORK EXPERIENCE

Student Ambassador

Jan 2020 – May 2021

University of Houston

Houston, TX

- Facilitate brainstorming, Q&A sessions regarding student finance and life, and college services
- Assist prospective students with initial inquiries and peer advising about academics

Math Teaching Assistant

Jan 2018 – May 2018

East Central University

Ada, OK

- Tutored a class of 55 students in pre-Calculus, Advanced Calculus, Trigonometry and Algebra
- Developed online training material, which improved class performance by 35% in the final exam

LEADERSHIP ROLES/INTEREST

General Secretary, Asian Student Association at ECU: Organized multi-cultural events to promote collaboration between universities