

Rahul Chauhan

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LinkedIn | GitHub

EDUCATION

HACK REACTOR

SOFTWARE ENGINEERING

IMMERSIVE PROGRAM

September 2020 | Austin, TX

UNIVERSITY OF HOUSTON

BS IN COMPUTER SCIENCE

Expected May 2021 | Houston, TX

Major: Computer Science

Minor: Mathematics

HONORS AND AWARDS

- Dean's List • President's Honor Roll
- Transfer Excellence Scholarship

TECHNICAL SKILLS

- JavaScript • HTML5 • CSS • React
- Node.js • Express • MySQL • RESTful API Development
- Jasmine • Mocha • Chai • AWS EC2
- Git • NPM • Webpack • Babel • Agile • TDD

RELEVANT COURSEWORK

Algorithms & Complexities

Operating Systems

File Design & Database Systems

Fundamentals of Software

Engineering

WORK EXPERIENCE

STUDENT AMBASSADOR

Jan 2020 - Present

University of Houston | Houston, TX

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

MATH TUTOR

Jan 2018- May 2018

East Central University, Ada OK

- Tutored 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

TECHNICAL PROJECTS

TARGET REPLICA | REACT, NODE.JS, MYSQL, AWS, GITFLOW

E-commerce web app with focus on design and functionality of Target's item detail page

- Built and deployed full stack web application in collaboration with 4 software engineers utilizing remote agile workflow
- Designed and built the Guest Ratings and Reviews Microservice utilizing React/React Hooks for front-end that allows the users to dynamically add and render reviews
- Utilized MySQL database to store customer's reviews/ratings, served the microservice using Node.js RESTful API on the backend

BACK END PERFORMANCE TESTING | NODE.JS, EXPRESS.JS, MONGODB, K6.JS, NEW RELIC

Increased scalability and load testing up to 10 million products and users

- Refactored the server and database of a legacy microservice to increase server load and database query efficiency
- Researched and implemented MongoDB indexing of collection to optimize the query time and scale the application to handle increasing site traffic
- Stress tested the performance of the database locally using K6 and New Relic which yielded better throughput results (500 RPS approx) and latency with an average response time of 25 ms

MYGAMESTOCKS | REACT HOOKS, POSTGRESQL, NODE.JS, EXPRESS.JS, GITFLOW

Online catalog of games for collectors to track value, view portfolios

- Collaborated and worked as a back end engineer with a team of 8 software engineers in a remote agile methodology utilizing git workflow
- Researched and implemented PriceCharting API to allow users to search for video games and console as well as their current price
- Implemented PostgreSQL queries to update the price of games/console daily based on the data sent by PriceCharting API

YUMMY | REACT, MYSQL, NODE.JS, EXPRESS.JS, GOOGLE PLACES API

Full stack online directory to search for local restaurants, bars and cafes

- Researched and implemented Google Maps API and Google Places API to support user search for places and display it on the map
- Utilized React and NPM's Use Places Autocomplete library to build a Search Bar component with auto complete feature
- Built Reviews Component that allows users to add and display reviews/ratings, and store them in a MySQL database

LEADERSHIP ROLES/INTEREST

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

Fund-Raising Chair-ECU Rotaract Club: Organized fundraising for World Polio Day 2017

Master of Ceremony: Asian Night (Cultural Program at East Central University)

Sergeant at Arms, ECU Rotaract Club: Organized Trash Pick-up around Ada city, OK