

Rahul Chauhan

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EDUCATION

University of Houston

BS in Computer Science, Minor in Mathematics

Awards: President's Honor Roll, Deans List, Transfer Excellence Scholarship 2018 - 2021

Houston, TX

May 2021

Hack Reactor

Software Engineering Immersive Program

Austin, TX

Jun 2020 – Sept 2020

TECHNICAL SKILLS

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

Frameworks/Developer Tools: React, Node.js, Express.js, Mocha, Chai, GitHub, AWS, Webpack, Babel

TECHNICAL PROJECTS

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

[GitHub](#)

- 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, Yummy | *React, MySQL, Node.js, Google Map API, AWS*

[Link](#)

- 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, MySQL, MongoDB, K6.js, New Relic*

[GitHub](#)

- Refactored the backend infrastructure of a full stack app with primary focus on system design and scaling
- Designed a relational and non-relational database to evaluate each use case based on database structure, query design/speeds, and scalability
- Integrated k6 load testing tool and New Relic analytics package to resolve system bottlenecks, which yielded better throughput results of 500 RPS with an average response time of 25 ms (improved by 600%)

WORK EXPERIENCE

Software Engineer Intern

Jul 2021 – Present

LivestockCity, Inc

Mount Solon, VA

- Designed and developed efficient and intuitive front end components to enhance user experience
- Migrated the front end codebase from HTML, JavaScript and jQuery to React.js
- Participated in the development of application architecture and blueprints to define application components, platform, interfaces and development tools

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

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