THAKI CHOWDHURY

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TECHNICAL SKILLS

Front-End: Javascript, React, Redux, TypeScript, React Native, Axios, jQuery, HTML, CSS
Back-End: Node.js, Apollo, GraphQL, Express.js, PostgreSQL, MySQL, MongoDB
Tooling: Git, Webpack, Babel, Docker, AWS suite, Jest/Enzyme, Mocha/Chai, CircleCI, Siege, New Relic

WORK EXPERIENCE

Software Engineer | BlackBird Air   Detroit, MI
                                                                                 2019 - 2019
- Spearheaded API integration for major charter partners, reducing manual time-spent by operations personnel by 13%
- Optimized fetching of flight pricing and availability through stress-testing, batching and limiting concurrent requests, and optimizing request payload, resulting in a 40% improvement in charter route profitability
- Worked extensively with React-native on front-end views, composing final screens with Meteor, Redux, and Apollo/GraphQL integrations

Co-founder | Product Development | Cap & Gown Rentals   Detroit, MI
                                                                                 2017 - 2018
- Conducted in-person interviews with 50 persons in target market to refine product/market fit
- Isolated UX bottlenecks and facilitated major UX/UI changes based on A/B testing and user feedback that resulted in a 15% increase in traffic conversion in the first quarter of rollout

PROJECTS

ShipShop
Scaled backend for ratings & reviews microservice on product page of e-commerce platform
- Horizontally scaled Node servers on AWS EC2 behind ELB to achieve 1200 RPS, a 400% increase in throughput
- Configured legacy schema for use with a Postgres database, consisting of over 30 million migrated entries, to be optimized for a read/write heavy system for a final latency of 5 ms, an 80% reduction in latency
- Optimized system design by stress testing API with 100k iterations of multiple concurrent requests to pinpoint performance bottlenecks and splitting endpoints to separate concerns for dynamic loading

Commodate
Amenities and details microservice for short-term housing rental platform
- Executed test-driven development to develop a robust, automated test suite with Jest/Enzyme, and set up a continuous integration workflow with my team using CircleCI, achieving 75% test coverage for my microservice
- Constructed modular, reusable UI components wrapped in HOC using React for optimal developer experience
- Separated microservice concerns into modules to be containerized with Docker and deployed to AWS EC2 instances, ensuring environmental consistency and a streamlined integration process with other microservices

EDUCATION

- Hack Reactor - *Advanced Software Engineering Immersive*   San Francisco, 2018
- Wayne State University - *B.S. Bus. Admin, Management*   Detroit, 2014