

ARAM SARGSYAN

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SKILLS: JavaScript, Ruby, Python, PHP, Java, Swift, Express.js, Node.js, React, Redux, GraphQL, Ruby on Rails, MERN stack, SQL and noSQL databases, Docker, Object Oriented Programming, MVC architecture, Microservice Design Patterns, Test Driven Development, Agile Development.

EXPERIENCE

Full Stack Software Engineer

Wayfair Inc, June 2019 – current

- Built a web application from scratch for the company's suppliers and ops team integration, using React, Redux, GraphQL, PHP, Python microservices and MySQL databases.
- Break the company's monolithic PHP web application into a microservice based one, sharpen skills and understanding of highly scalable web architecture and system design.
- Work in an agile development environment, support company's vendor integration platform, solve day to day critical issues and engineering tasks.

Software Engineer | Technical Instructor

App Academy, May 2019 – June 2019

- Provided hands-on support, feedback and mentorship to over 20 students undertaking projects using React, Redux, Rails, Node.js, Express, MongoDB, HTML5, CSS3, and learning algorithms and data structures.
- Administered mock interviews and whiteboarding sessions on data structures, algorithms and system design to set up students for job search success.

PROJECTS

RedFlix - clone of Netflix (Ruby On Rails, PostgreSQL, React/Redux, SCSS, HTML 5)

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- Designed a database with Active Records and Active Storage associations for movies, actors and genres providing many opportunities for sorting and querying data.
- Built RESTful backend routes and controllers to fetch movies and genres efficiently, avoiding n+1 queries.
- Implemented normalized Redux state that stores movies and genres and provides flexibility in rendering front-end React components.
- Implemented an innovative way of building "My List" functionality which allows to treat "my-list" as another genre on the front-end level and increase the flexibility of the project.
- Utilized React to create interactive carousels, scroll and hover effects that enhance the user experience.

2020 - Twitter data visualization (Mongo, Express, React, Node, Git workflow)

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- Created a multi-level OAuth API call that gathers tweets from the Twitter API, then uses a data sentiment analysis engine to process those tweets and sends the ready information to the front end.
- Designed a user-comment database with MongoDB that allowed to implement an interactive chat functionality for the application.
- Created a Redux State and Search React component that controls the rendering logic of the application and fills the gap between pressing the search button and receiving API results with loading animation.

Matroshka - a game about a Russian doll collecting eggs (vanilla JavaScript, Canvas)

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- Wrote a custom algorithm that renders obstacles randomly and in an increasing difficulty.
- Using Canvas API, created attractive animations that give the game a very appealing retro feel.
- Added a throttle effect on the keyboard using JS setTimeout asynchronous function making the game more resilient.

EDUCATION

App Academy - Immersive software development course with focus on full stack web development (Spring 2019)

Armenian State University of Economics - Ph.D - Marketing and Economics (Spring 2015)

Armenian State University of Economics - MS - Marketing (Spring 2012)

Armenian State University of Economics - BS - Marketing (Spring 2010)