

SARA PARK

Software Engineer | Los Angeles, CA | (469) 569-6591
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TECHNICAL SKILLS

Languages | Javascript, TypeScript, HTML, CSS, SQL

Front End | React, React Native, Redux, GraphQL, Tailwind, Styled Components, jQuery

Back End | Node.js, Express.js, Axios, MySQL, SQLite, PostgreSQL, MongoDB, Sequelize, REST API, Firebase, Auth0

Testing & Deployment | Jest, Mocha, Chai, Artillery, AWS

Other | Git, npm, Babel, Webpack, Agile Methodology, Contentful, Optimizely

WORK EXPERIENCE

Chegg | Santa Clara, CA

April 2023 – May 2025

Software Engineer II

- Strengthened security and compliance by implementing VPN detection, ensuring 4% of subscriptions circumventing region-specific pricing were charged the correct rate for their respective country
- Integrated Recurly as Chegg's vendor-based commerce solution, collaborating with cross-functional teams to optimize checkout flows, achieving a conversion rate within 2% of the legacy system
- Revamped the frontend platform by redesigning UI, fetching data via GraphQL, implementing error handling, and using Redux for seamless state management
- Set up A/B testing in Optimizely, configuring targeted audience and applying experimental code per product requirements
- Enabled local currency presentment (KRW) in South Korea and completed a 100% rollout for all South Korean users

Newman Smith High School, Carrollton - Farmers Branch ISD | Carrollton, TX

August 2019 – July 2022

High School Mathematics Teacher & Algebra 2 Team Lead

- Developed a year-long Algebra 2 online curriculum by creating an interactive classroom webpage utilizing Canvas, Desmos, HTML, and CSS which increased student engagement and productivity by 95%
- Instructed Algebra 1, Algebra 2, and Pre-AP Algebra 2 aligned with the state curriculum standards to 170+ students per year
- Supervised and supported 4 math teachers in adapting to online and hybrid curriculum during the COVID-19 pandemic

SOFTWARE APPLICATION DEVELOPMENT EXPERIENCE

Merge | personalized health records mobile app

January 2023

Full Stack Software Engineer

- Developed a full stack CRUD application with React Native, allowing 3,000 daily active users to self-organize and maintain up-to-date health records stored in a PostgreSQL database
- Integrated a secure authentication system using Firebase that strengthens privacy and improves the sign-in and sign-up experience for end users by enabling up to 100 new account creations/IP address/hr and up to 10 account deletions/sec

Fuzzy Friends | social networking app for pet owners

January 2023

Full Stack Software Engineer and UI Design Lead

- Led 6 full-stack engineers to architect features like login, discovery mode, profiles, scheduling, and a real-time chat component that enables users to interact with their matches and view their matches' profiles
- Designed wireframes and reusable UI templates to ensure consistency and align with business requirements

Orchid | ecommerce website using mock API of products

November 2022 – December 2022

Front End Engineer

- Built React components for related products, outfit lists, carousels, and a comparison modal to enhance UI functionality
- Built a JavaScript local storage feature for persisting user-customized outfit lists and implemented a RESTful API backend with an Express server deployed on an AWS EC2 instance

Back End Engineer

- Performed an ETL process to transfer application data into a PostgreSQL database, using Sequelize to write optimized queries
- Engineered the backend to handle traffic by indexing and optimizing queries, achieving an average response time of 1 ms
- Conducted stress testing on all API routes with Artillery, supporting load capacities of up to 1,000 requests per second

EDUCATION

UIW School of Osteopathic Medicine

Medical School Acceptance

January 2023

Hack Reactor

Advanced Software Engineering Certificate

January 2023

Full Tuition Scholarship Recipient

Texas Teachers

Texas Educator Certification (Mathematics 7-12)

May 2019

The University of Texas at Austin

Bachelor of Science & Arts in Biochemistry

May 2018

Minor in Spanish, Business Foundation Certificate