

SARA KIM

Software Engineer | Los Angeles, CA | (469) 569-6591
sarakim323@gmail.com | [linkedin.com/in/sarakim323](https://www.linkedin.com/in/sarakim323) | sarakim323.github.io

TECHNICAL SKILLS

Languages | Javascript (ES5 & ES6), 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 – Present

Software Engineer

- Integrated Recurly as Chegg's vendor-based commerce solution, collaborating with cross-functional teams to enhance checkout flows and optimize the user purchase experience
- Improved security and compliance by implementing VPN detection for region-specific restrictions and access control
- Revamped the frontend platform by redesigning UI, fetching data via GraphQL, implementing error handling, and developing state management using Redux for seamless user experience
- Set up A/B testing in Optimizely, configuring targeted audience and applying experimental code per product requirements

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

- Managed 6 full stack engineers to design the login page, discovery mode, user profile, friend list, chat feature, and play date scheduling system based on wireframes and agile methodology
- Architected a real-time chat component, enabling users to interact with their matches and view their matches' profiles
- Created all wireframes based on business requirements and templated UI stylings for improved reusability and consistency

Orchid | ecommerce website using mock API of products

November 2022 – December 2022

Front End Engineer

- Leveraged React to display a related products list, outfit list, product cards in carousel display, and comparison modal window
- Built a JavaScript local storage to persist client-side data for the user-customized outfit list
- Implemented a RESTful API backend using an Express server deployed an AWS EC2 instance

Back End Engineer

- Performed an ETL process to transfer the full application data set into a relational database designed with PostgreSQL and consequently wrote queries by utilizing Sequelize
- Engineered backend to handle traffic by indexing and optimizing all queries, resulting in an average response time of 1 ms
- Conducted stress testing of all defined API routes using Artillery and handled load capacity 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