

# Kia Farhang.

Full-stack developer in San Antonio, TX who uses test-driven development to write concise, maintainable code.

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## EXPERIENCE

### USAA, San Antonio TX — *Contract Developer*

MAY 2018 - CURRENT

#### Full-stack development in the bank's deposits division.

- Develop and unit test a React application to allow members of the financial institution to activate their debit and credit cards.
- Test and develop Java REST services to support business and front-end needs.
- Assist the team technical lead in gathering work requirements, training/collaborating with other developers and coordinating development efforts.

### San Antonio Express-News, San Antonio TX — *Full-Stack Developer*

JUNE 2017 - APRIL 2018

#### Built front-end presentations for the newspaper's best content.

- Used the React JavaScript framework to build a library of reusable components for a longform journalism story template. Stories in the template saw an average time on page of nearly 5 minutes - a more than 300% increase over normal stories.
- Built a single-page React application housing the newspaper's best restaurant rankings. Users can search restaurants and sort by distance from them, type of food, etc. This page saw a 22% increase in traffic over the previous year's page.
- Created a podcast player with the Vue.js framework that lets users listen to all of the paper's podcasts directly from their browser.

Designed, created and tested APIs to serve data to front-facing apps and the public.

## SKILLS

HTML/CSS/JavaScript  
TypeScript  
React  
Redux  
Vue.js  
Node.js  
Java  
Mocha  
Jest  
SQL  
Test-driven development  
REST API consumption  
REST API development  
Web scraping

## PORTFOLIO

Find my work at  
[kiafarhang.com](http://kiafarhang.com) or  
[github.com/KiaFarhang](https://github.com/KiaFarhang)

- Used Node.js and the Express framework to create a back end powering the company's live election results page in the March 2018 primary. The server collected data from the Google Sheets and Associated Press APIs, transformed it and served it to the page via websocket connection. Wrote a full test suite with the Mocha Javascript testing framework.
- Created the front and back end of an application that let users build their own high school football brackets and check back to see how their predictions fared. Extensive tests for the data structures + algorithms to validate users' bracket choices.

**Wrote web scrapers and other tools to automate and simplify newsroom tasks.**

- Wrote a Node.js/TypeScript scraper to download police call log data in bulk from the San Antonio Police Department's website, streamlining a download process that would have taken weeks. Includes tests for database interaction, network and scraping/parsing code.

**Lemonade Stand, Riverside CA — *Front-End Developer/Director of Client Services***

AUGUST 2016 - MAY 2017

**Built web applications, browser extensions and other tools for clients and internal use.**

- Created a Google Chrome extension that lets users of the company's project management software add priorities to their "boards" from anywhere on the web.
- Used JavaScript and Node.js to create a single-page application for a solar installation client. The application collected information about users' electricity use, then calculated how much money they could save by switching to solar. Used the Mailgun API to send results to the client.

**Oversaw day-to-day operations, ensuring marketing clients' requests were satisfied.**

## PROJECTS

**Distillr (Node, Java)**

- Single-page application built with a teammate as part of VIA San Antonio's 2018 hackathon event. Helps users find the

best bus routes to San Antonio activities they're interested in.

- Used Node.js and TypeScript to build the back end of the application, which taps the Yelp API to generate trips for users based on HTTP POST parameters. Currently rewriting the back end in Java, with tests in the JUnit framework.

## EDUCATION

- **San Antonio College / University of Texas at San Antonio** - Bachelor's in computer science (in progress)
- **University of Minnesota** - Bachelor's in journalism, 2014