

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 — *Software Developer*

MAY 2018 - PRESENT

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

- Design, build and test React/Redux applications, Java REST APIs and Java batch processes.
- Lead and contribute development for projects around debit/credit card activation, account origination and account closure that serve thousands of USAA members daily.
- Brought my development team to 100% predictability/feature delivery in the first three months I served as team lead.
- Spent extensive time on call and in high-pressure outage scenarios during a rotation on the area's maintenance and production support team.
- Implemented a rotational model where every developer on the team - from senior to entry-level - spends time in roles of scrum master, tech lead and feature lead, to grow new talent and broaden team skill sets.

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,

SKILLS

HTML/CSS/JavaScript

Java

TypeScript

React

Redux

Vue.js

Node.js

Mocha

Jest

SQL

Test-driven development

REST API development

Web scraping

PORTFOLIO

Find my work at

kiafarhang.com or

github.com/KiaFarhang

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.

- 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