Arvind Ravi

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aravi3.github.io/Portfolio/   github.com/aravi3/   linkedin.com/in/arvind-ravi/

SKILLS

- Technical: TypeScript/JavaScript, React, React Native, Jest, Cypress, Playwright, AG Grid, Highcharts, OpenFin, GraphQL, Webpack, Node, Python, Ruby, SQL, PostgreSQL, MongoDB, Git, GitLab, CI/CD, Jenkins, Clickstream Analytics, Datadog, HTML/CSS, VBA
- Languages: Proficient in Spanish and Tamil

EXPERIENCE

Career Break - Travel   May 2024 – Present
- Took advantage of a once in a lifetime opportunity to backpack around the world and spend time with family and friends

Zillow Group, New York, NY   November 2022 – April 2024
Frontend Engineer III, ARCS
- Worked on the contact and tour forms that a user sees when they visit a property for sale
- Led the unification of contact and tour forms across Zillow properties and transitioned to a backend-driven model for generating form content
- Since this is top of the funnel, maximizing the amount of quality incoming leads was a priority. This was accomplished by experimenting with several A/B variations and capturing tracking analytics in order to drive future changes
- Prioritization of full unit, component, and e2e test coverage as our changes are exposed to the public
- Monitored render metrics, latency, lead capture, and errors using Datadog

Compass, New York, NY   March 2022 – September 2022
Frontend Engineer II, Digital Ads
- Built an ad preview feature for Compass real estate agents to showcase how the digital ad for a given property appears/will appear on different channels (Facebook, Instagram, Google) using React
- Developed a home estimation flow for prospective sellers with a focus on conversion rate optimization
- Unit and e2e tests to ensure consistent platform behavior

JPMorgan Chase, New York, NY   December 2018 – March 2022
Frontend Engineer, Fixed Income Trading
- Built an e-trading application for repo traders using OpenFin, React/TypeScript, and AG Grid
- Allowed traders to view the list of securities available on the market, place orders, and monitor trades
- Wrote unit tests to verify that the business logic used in grid and order entry calculations was correct
- Communicated with traders in both the NA and EMEA regions to understand their use cases in order to tweak the application appropriately

U.S. Securities and Exchange Commission (Contractor), New York, NY   December 2017 – December 2018
Full Stack Engineer, Quantitative Analytics Unit
- Built several interactive reports using React, Highcharts, and vis.js to help pinpoint instances of insider trading
- Used the pandas library to parse and manipulate DataFrames from the backend before sending the data to the appropriate widget on the frontend
- Recorded user activity in PostgreSQL to better understand how the application was being used and to lower query latency
- Documented the functionality and proper use of each report in the application

OSIsoft, LLC, San Leandro, CA   July 2015 – May 2017
Customer Support Engineer
- Field Service: Installed, configured, and audited PI software at customer sites and taught classes on product functionality, both remote and onsite
- Automated the generation of field service work reports by coding a macro that pulls in relevant job information from various databases, saving each engineer an hour per report written
- Technical Support: Remotely debugged PI software and answered questions about product functionality
- Expanded internal and external knowledge base wiki by documenting customers' technical issues and network architectures

PROJECTS

Vibes (React/Redux, Ruby on Rails)   **GitHub**

A single page music management application inspired by SoundCloud
- Developed universal navigation bar to allow for easy song searching and uploading to the cloud
- Built features that allow users to manage a profile and playlist of liked songs
- Used Amazon S3 to store all uploaded songs and image files

MazeCraze (JavaScript)   **Live | GitHub**

An algorithm visualization tool for solving mazes
- Programmed visualizations for the breadth-first search, depth-first search, and A* algorithms
- Enabled users to select maze endpoints, dimensions, and tree traversal solution

EDUCATION

Product School, New York, NY   September 2020 – October 2020
Product Manager Certificate

App Academy, San Francisco, CA   May 2017 – August 2017
1200-hour full stack web development course, acceptance rate < 3%

University of Virginia, Charlottesville, Virginia   August 2011 – May 2015
Bachelor of Science in Chemical Engineering; Minor in Engineering Business
GPA: 3.5/4.0

ACTIVITIES

Omega Chi Epsilon Honor Society, Phi Sigma Kappa Fraternity