


# Arvind Ravi

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 [aravi3.github.io/Portfolio/](https://aravi3.github.io/Portfolio/)

 [github.com/aravi3/](https://github.com/aravi3/)

 [linkedin.com/in/arvind-ravi/](https://linkedin.com/in/arvind-ravi/)

## SKILLS

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- Programming Languages: TS/JS, React, React Native, Python, Ruby, SQL, Git, HTML/CSS, VBA
- Languages: Proficient in Spanish and Tamil

## EXPERIENCE

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### Zillow Group, New York, NY

November 2022 – April 2024

#### Frontend Engineer, ARCS

- Worked on the contact and tour forms that a user sees when they visit a property for sale
- Owned projects such as the contact and tour form unification effort across all Zillow properties
- Since this is the top of the funnel, maximizing the amount of quality incoming leads is a priority. This was accomplished by capturing tracking analytics and experimenting with several AB variations in order to drive future decisions
- Prioritization of full unit, component, and e2e test coverage as our changes are exposed to the public

### Compass, New York, NY

March 2022 – September 2022

#### Frontend Engineer, 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

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### 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

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**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