Arvind Ravi

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

SKILLS

- Programming Languages: JavaScript, React, React Native, Python, Ruby, SQL, Git, HTML, CSS, VBA
- Applications: OpenFin, Amazon S3, OSIsoft PI System
- Languages: Proficient in Spanish, fluent in Tamil

EXPERIENCE

JPMorgan Chase, New York, NY   December 2018 – Present
Frontend Software Engineer, Fixed Income Trading
- Built an e-trading application for repo traders using OpenFin, React, 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 Software 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
- Wrote unit and end-to-end tests to verify that the application performed as expected
- 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 remotely 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)   **Live | 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

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