Paul Wu

Senior Software Engineer | Houston, TX

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WORK EXPERIENCE

JPMorgan Chase & Co. | Senior Software Engineer - React, Typescript, GraphQL, Redux

August 2023 - Present | Houston, TX

Major Projects:

DCM-Primary:

- Architected and developed a React/Redux-based application enabling bankers to cleanse and publish incoming investment grade bond data, with edit support for existing entries.
- Improved application structure over existing LevFin application by pushing for modern frameworks (Redux, React Hook Forms, TanStack Query) and implementing an 80% code coverage threshold.

Market Monitor:

- Led development of a real-time stock chart with 5-second live updates for 1-day and 5-day views.
- Built the UI for a global search feature integrating RICs, loans, bonds, and other instruments, enabling faster cross-asset navigation.

NIBP:

- Migrated frontend of a high-traffic (150+ concurrent users) application to a new API.
- Scoped, planned, and delivered the migration on-time with zero UI production defects since go-live (August 2024). Fixed existing bugs and boosted test coverage from 40% to 75%.

Leadership Contributions:

- Actively contributed to sprint planning and ticket estimation across multiple projects. Authored JIRA stories with clear technical implementation steps.
- Mentored junior team members through detailed code reviews and pair programming.

Reprise Inc. | Software Engineer II, Tech Lead - Typescript, Vue, Django, PostgreSQL

March 2022 – Feb 2023 | Houston, TX

- Acted as a temporary tech lead for three months, collaborating with product managers to plan future sprints, offered hands-on support to team members, and reviewed and merged pull requests.
- Spearheaded the redesign of the analytics platform, improving functionality for 200+ customers by implementing features like customizable time ranges, advanced chart grouping options, Excel export, and enhanced charting.
- Integrated product with Salesforce and HubSpot CRMs, successfully onboarding 100+ customers within the first year.
- Designed and launched an email digest feature that delivered tailored analytics data to all customers, enhancing user engagement.

InsightSquared Inc. | Software Engineer - Typescript, Node, React, Django, Elasticsearch

September 2020 – February 2022 | Houston, TX

- Integrated HubSpot and Bullhorn with the InsightSquared platform via API, onboarding 50+ customers within a year and ensuring the system handled thousands of daily data records per customer.
- Managed the Salesforce CRM integration, supporting 250+ customers by enhancing historical data tracking, improving logging processes, integrating additional Salesforce fields, and troubleshooting customer-reported bugs.

Osprey Software | Software Engineer -.NET, React, jQuery, SQL

July 2019 – September 2020 | Boston, MA

- Developed an inventory page for hundreds of financial advisors, enabling users to visualize the risk/return profiles of various portfolios and benchmarks.
- Transformed a monthly 150-page report of school metrics into an interactive, online platform for easier access and analysis.

Quorum Business Solutions | Software Engineer - .NET, React, SQL Server, C++

January 2018 - January 2019 | Houston, TX

EDUCATION

Rice University Aug. 2013 – Dec. 2017 *B.A., Mathematical Economics, GPA: 3.7/4.0*

Coursework: regression analysis, econometrics, data analytics