

JOHNNY LY

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Experience

JPMorgan Chase & Co.

August 2023 – Present

Software Engineer

Jersey City, NJ

- Revamped client onboarding and maintenance workflows across diverse lines of business for Chase Asset and Wealth Management, ensuring efficiency by resolving high-priority production issues and implementing key app enhancements in legacy applications.
- Executed a comprehensive unit testing approach, writing JUnit tests that significantly increased application code coverage to surpass the 80% threshold, ensuring robust software quality and reducing the risk of post-release issues.
- Leveraged Splunk logs and AngularJS to promptly resolve critical production bugs, collaborating with cross-functional teams, while ensuring timely deployments to user acceptance testing, thereby minimizing downtime and enhancing application reliability.

JPMorgan Chase & Co.

June 2022 – August 2022

Software Engineer Intern

New York, NY

- Modernized the Loan Editor App for the Markets Technology Team used for managing loan deliveries, delivering traded pools to several agencies, and identifying and remediating data quality issues that may prevent loan sales.
- Handled the Dynamic rendering of UI components for the Loan Editor through JSON data from multiple REST API endpoints to streamline workflow and efficiency.
- Spearheaded the development of the frontend using React, Redux, and the JPMC UI Toolkit from the ground up, transforming a proof of concept into a fully functional and seamlessly designed user interface with an efficient state management system.
- Implemented the logic for handling UI changes for loan data edits and changes utilizing Typescript and React functional components.

UC Merced Fiat Lux Scholars Program

August 2021 – May 2022

Academic Scholar

Merced, CA

- Facilitated individualized goal-setting sessions with first-year Fiat Lux scholars and concurrently acted as a liaison between scholars and program staff, ensuring seamless communication and coordination for an enhanced program experience.
- Planned, coordinated, and administered large scale social events to promote connections and contribute to building community among participants in the program.
- Provided referrals to academic learning support services on campus; make announcements and share resources to Fiat Lux related programming.

Projects

FlyerScan | *Flask, HTML, CSS, Bootstrap, SQLite, Git*

January 2023 - May 2023

- Streamlined process of tracking on-campus events by enabling easy integration of scanned physical flyer data into users' personal calendars through Optical Character Recognition and Natural Language Processing technologies.
- Created a user-friendly and mobile-responsive interface for reviewing and confirming event details, enabling manual corrections through speech detection or keyboard input.
- Enabled users to conveniently access the scanned flyer history page and perform manual edits to essential parameters including date, time, location, and event information, ensuring accurate capture and customization.

DevTracker | *ReactJS, NodeJS, Bootstrap, Spring Boot, MySQL, StatSVN, Git*

September 2022 - December 2022

- Developed a web application allowing product managers and developers at Western Digital to view Key Performance Indicator reports providing critical insights for resource planning and development activities.
- Designed an intuitive user interface allowing users to filter data from different KPIs, view reports with corresponding graphs and tables, and export data to a .csv file.
- Implemented a user login with account management to organize KPI reports based on project repositories and developer activity.

Technical Skills

Languages: **Java, HTML, CSS, JavaScript**, TypeScript, C/C++, Python, SQL, LaTeX

Technologies: **Spring Boot, REST, Splunk, ReactJS, JUnit, Bootstrap, Scss, Git**, AngularJS, NodeJS, Bitbucket, Jira, Jenkins, Media Queries, Material UI, Swagger UI, MySQL

Education

University of California, Merced

August 2019 – May 2023

Bachelor of Science in Computer Science and Engineering

Merced, CA

GPA: 3.64