JOHNNY LY

✉ johnbus.ly@gmail.com 💻 johnnyly.dev in linkedin.com/in/johnny-ly-

Skills

Languages: **Java**, **JavaScript**, HTML, CSS, TypeScript, Python, SQL
Technologies: **React**, **Spring Boot**, **JEST**, **JUnit**, **CI/CD**, REST, Camunda, SonarQube, Oracle DB, Jenkins, Git, Swagger UI, Bootstrap, Scss, BlazeMeter, Node, Media Queries, Material UI, Microsoft SQL Server

Experience

JPMorgan Chase & Co.

Software Engineer — *Aug 2023 – Present*

- Decommissioned legacy Account Maintenance System for Chase Wealth Management, consolidating workflows, migrating data to more robust frameworks, and saving $75,000 annually in data center costs
- Modernized and consolidated legacy workflows into a unified Client Request Maintenance app using ReactJS and Spring Boot; improved page navigation, state management, and code readability, while building reusable components and a simplified search feature that laid the groundwork for future expansion and reduced user error rates
- Automated the renewal process for certificates used in ADFS-based authentication across Address Suite applications by developing a centralized org-level Certificate Management pipeline; reduced manual work by enabling shared certificate deployment via Jenkins across cloud-hosted apps, streamlining renewals and scaling the solution for wider team adoption
- Drove resolution of production incidents during support rotations by collaborating with DevOps to identify root causes, document runbook procedures, and escalate critical issues — contributing to a reduction of monthly incidents from approximately 30 to 0 through enhanced logging, exception handling, and robust bug fixes

Force for Good Core Member - Project for Public Spaces (PPS) — *Apr 2024 – Nov 2024*

- Centralized fragmented constituent data and improved organizational data management for PPS by leading the implementation of a scalable CRM (Bloomerang), consolidating 50,000+ records from multiple disconnected sources — all within a constrained $7K/year nonprofit budget
- Collaborated cross-functionally with non-technical stakeholders to overcome PII and sandbox limitations, architecting mock-data-driven CRM components (custom record types, dashboards, workflows); delivered ER diagrams and scalable configurations that reduced onboarding time by 40% and enabled self-sufficient expansion

Software Engineer Intern — *June 2022 – Aug 2022*

- Developed the front end of a proof-of-concept Loan Editor app using React and Redux to support workflows for managing loan deliveries, traded pool submissions, and data quality remediation — while learning core SDLC principles and Capital Markets domain knowledge
- Collaborated with global teammates in Agile sprints, integrated dynamic data from REST APIs into new front-end flows and presented the final POC to senior leadership, positioning it for future production use as an internal loan management tool

Projects

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

- 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, improving user accessibility
- 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*

- 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 with ReactJS and Bootstrap 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 system with account management to organize KPI reports based on project repositories and developer activity

Education

University of California, Merced — **May 2023**
Bachelor of Science in Computer Science and Engineering