Jay Han

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SKILLS

- **Programming Languages:** JavaScript, Python, SQL, Swift
- **Technologies:** React, Node, Express., Django, RESTful APIs, Redux, MongoDB, PostgreSQL, Redis, Knockout.js, HTML, CSS, Jest, Enzyme, Amazon Web Services, Jira, git, macOS

PROFESSIONAL EXPERIENCE

Fuyu Ramen Inc (Contract),   April 2024 – Oct 2024
Full Stack Developer   New York, NY

- Planned, designed, and implemented a business website using React, decreasing page load speed by approximately 80% through the implementation of client-side routing, and enhanced user experience with modern, responsive design.
- Developed in-house application for online orders using React that queries and dynamically renders menu data, facilitating easy updates and real-time changes, and utilizes Redux global state management for cart sessions and checkout.
- Developed a server-side application leveraging Express for APIs and middleware for store hours, checkout and menu data, Stripe for secure payment processing, Redis for caching, AWS SES for automated email services, and AWS Lightsail for deployment and hosting, focusing on availability, error handling, and efficient use of resources.
- Managed software development lifecycle, from initial planning and architecture design to implementation, testing, and deployment, ensuring adherence to timelines and budget constraints.

Octane Lending,   Sept 2021 – Dec 2022
Software Engineer   New York, NY

- Vertically scaled a multi-page web application that allows dealers and lenders to apply/approve loans towards non-automobile vehicles using React, Knockout, Django, and PostgreSQL.
- Launched "Recreational Vehicles" to loan decisioning service and a new RV user experience for web portal, responsible for 100 million dollars in loan originations for the following quarter.
- Engineered modern routing and view model architecture using Java Access Bridge, KnockoutJS, and ReactJS to build a robust lending experience within a partner's embedded Java browser, resulting in our service immediately available to 1,600 dealerships and a 2 billion dollar powersports market.
- Maintained test coverage on 100% of newly written code using Jest, Enzyme, and Python, leading to a 53% reduction of outages and bugs over the following two quarters.

EDUCATION

John Jay College (CUNY),   May 2021
Computer Science (B.S.)   New York, NY

- Vice President of the Computer Science Society

PROJECTS

Rocketship | React.js, Express.js, Node.js, MongoDB, AWS, Plot.ly, Polygon.io

- Collaborated with a team of 4 to design a stock trading sandbox web application where users can trade with virtual cash and stocks, utilizing Ploy.ly and Polygon.io for stock data visualization.

PyNIDS | Python, socket

- Constructed a Linux local area network intrusion detection system that scans a local network and warns the user of any suspicious IP's or ports, as well as displaying detailed packet info.