

Ray Sy

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Experience

Medallion | Software Engineer

Jun 2021 - Present

<https://medallion.co>

San Francisco, CA

Developed performant, automation-centric product initiatives as a full-stack engineer utilizing Django, React, and GraphQL at a fast moving health-tech startup.

- Pioneered GraphQL at Medallion by handling the initial integration, migrating inefficient REST endpoints, and cultivating an active community - improving app performance, code architecture, and development velocity.
- Built a robust email notification system for our high-throughput provider import pipeline using Celery and Customer.io - decreasing turn around times by 30%.
- Integrated a battle-tested verifications service using Celerybeat and Pusher into the credentialing platform, ensuring real-time provider compliance while streamlining operational efficiency.

American Express | Software Engineer

Jan 2021 - May 2022

<https://americanexpress.com>

New York, NY

Developed site/infrastructure related features and enhancements as a full stack engineer on Amex's GCS Commercial team using React, Redux, and GraphQL - making a combined impact of several hundred million dollars annually.

- Executed multiple successful A/B tests, notably creating an enhanced mobile horizontal carousel that projected an annual incremental revenue boost of \$150M.
- Spearheaded site-wide accessibility enhancements by cataloging outstanding violations while working closely with PMs and developers to reduce the number of issues by over 95%.
- Created and popularized an internal Chrome extension to automate syncing authentication cookies between local and test environments - improving developer experience and cutting workflow times by 90%.

American Express | Software Engineering Intern

Jun 2020 - Aug 2020

<https://americanexpress.com>

New York, NY

Created Experience Builder - a tool that empowers non-engineers to generate production ready UI variations for consumer facing sites.

- Designed a "composer" UI using React.js featuring an interactive canvas, sortable layer tree, widget palette, and export panel, making it intuitive to create components compliant with standardized design guidelines.
- Engineered a persistence and versioning system that allowed multiple users to collaborate concurrently on a composition using PostgreSQL and Express.js.

Heat.wav | Technical Co-Founder

Aug 2018 - Sep 2022

<https://heatwav.co>

New York, NY

Led technical development of a location-based music & artist discovery platform that placed in the quarter finals at NYU InnoVention, and semi finals at RU Innovators.

- Designed and architected Heat.wav's tech stack to fit current and anticipated product needs while setting technical standards to ensure a maintainable codebase.
- Collaborated closely with our designer, product expert, and co-developers to effectively translate and delegate feature requests and wireframes into detailed objectives using Asana, Invision, and Slack.

Education

Rutgers University, New Brunswick, NJ

Sep 2017 - Dec 2020

Bachelor of Science - Computer Science

GPA: 3.74

Skills

Languages: Javascript, Python, SQL, Java, C, Dart, Shell, HTML, CSS

Frameworks/Tools: React, Django, Express, Next.js, Flask, Flutter, Sketch, Figma

Technologies: GraphQL, PostgreSQL, MongoDB, Docker, AWS, Heroku, Firebase, Redis