

Yunfan Xu

(716)-981-0464 | xuyunfan17@gmail.com | [linkedin.com/in/yunfan-xu](https://www.linkedin.com/in/yunfan-xu)

SUMMARY

Innovative software engineer with 6+ years of experience, strong background in architectural design and technical leadership. Skilled in optimizing system performance, scalability, and user experience, with a proven track record of mentoring senior engineers and coordinating cross-functional teams.

SKILLS

JavaScript | TypeScript | Ruby On Rails | React Native | Team Lead | Problem Solving | System Design | API Optimization

WORK EXPERIENCE

Groove, a Clari Company, Remote

July 2023 - Present

Senior Software Engineer

- Refactored the high-volume core API (~600k daily requests), decreased median latency by 50% (from ~2s to ~1s), P99 latency by 57% (from ~7s to ~3s), and a significant decrease in error rates (from ~0.4% to below 0.02%).
- Designed a scalable backend architecture supporting advanced filtering and sorting capabilities. This foundation enabled the seamless integration of future features, such as customized filtering and Salesforce column integration, thereby enhancing system scalability and user customization.
- Independently designed and implemented a robust Redis-based scheduling system for email/SMS actions, proactively conducted comprehensive testing, reducing issues and improving reliability.
- Engineered efficient bulk action management functionalities, integrating asynchronous processing, significantly streamlining workflows, and boosting operational efficiency.
- Delivered secure and efficient SAML-based Single Sign-On (SSO) integration within one month, outperforming the standard timeline by 67% and enhancing system security and user access.
- Managed and resolved high-severity incidents including Ruby on Rails upgrades and critical cross-org email failures, ensuring minimal downtime and bolstering user confidence.
- Actively onboarded and mentored senior engineers, providing technical guidance on backend development, best practices, and system optimization, fostering a collaborative and high-performing team environment.
- Upgraded the project from React Native v0.66 to v0.74, integrating Expo and streamlining CI/CD workflows, resulting in enhanced performance and scalability.

Meta Platforms, Inc., New York, NY

June 2022 - July 2023

Front End Engineer

- Developed mobile products and GraphQL API enabling cross-posting of fundraisers from Facebook to Instagram via React native, Hack and Python, leading to a 20% increase in IG fundraiser creations and a 10% increase in donations.
- Streamlined development processes by designing, completing, and documenting a logging system and E2E Jest testing for People for Charity donation in Instagram, which was reused and served as a model for another project.
- Led the end-to-end delivery of entity name change notification project, collaborating with cross functional and legal teams to ensure effective communication and timely project completion.
- Scoped and implemented solutions for filtering target audiences over 20 million from FB and IG, driving technical documentation for audience filtering, notification methods, and considering various strategies' trade-offs.
- Enhanced software stability and reliability through proactive participation in documentation, knowledge sharing, code reviews, bug fixing, and organizing dogfooding, addressing issues early in the development process.

EPAM Systems, Suzhou, China

June 2018 – August 2020

Front End Engineer

- Led a 5-person development team on a project with 200k+ daily active users, ensuring timely and efficient project delivery.
- Optimized e-commerce SPA performance by implementing lazy loading, intersection observer, and CDN strategies, reducing load times by 52%.
- Developed reusable React Native components and responsive features for a mobile app serving 4,000+ stores across China, enhancing overall user experience.
- Enhanced user engagement by 33% through interactive product tour pages using Hammer.js.
- Collaborated with UX/UI designers to improve checkout flow, resulting in a 22% increase in conversion rates.
- Liaised directly with clients to clarify requirements, securing additional project updates worth \$800,000.

EDUCATION

New York University, Tandon School of Engineering, Brooklyn, NY

September 2020 – May 2022

- Master of Science, Computer Engineering

Rutgers University-New Brunswick, School of Engineering, New Brunswick, NJ

September 2016 – May 2018

- Master of Science, Electronic and Computer Engineering