

Tashi Sherpa

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PROFESSIONAL EXPERIENCE

Associate Software Engineer | The New York Times | New York, NY **Jan 2025- Present**

- Engineering Go- and Terraform-based features for the Messaging Platform, ensuring reliable delivery of ~60B push notifications and ~27B emails annually utilizing **Go**, **AWS**, **GCP** and **Terraform** with monitoring of services via **Datadog** and **SumoLogic**.
- Migrated Push Services from **Kubernetes** to **AWS**, reducing infrastructure costs and lowering the team's knowledge barrier, while securing service-to-service communication with **Vault**-based authentication.
- Streamlined legacy infrastructure by decommissioning outdated send functionality and simplifying the Helix Web platform, reducing risk and improving maintainability.
- Designed and deployed real-time dashboards utilizing **BigQuery** + **Datadog**, giving editors visibility into newsletter/push delivery and boosting operational confidence.

Software Engineer Apprentice | The New York Times | New York, NY **Sept 2024 - Nov 2024**

- Collaborated with a 10-person Scrum Team developing NYT's own CRM software using **Next.js**, **TypeScript**, **tRPC** and **SCSS**, improving efficiency, scalability, cost and sustainability.
- Re-architected Advanced Search implementation for maintainability and scalability, enabling seamless integration of new search extensions/features.
- Developed an Advanced Search extension feature, allowing agents to look up customer's profile using PayPal invoice IDs, improving support for 22% of the customer base.

Software Engineer Intern | West X East | Remote **July 2024 - Aug 2024**

- Engineered a custom PDF parsing and filtering system using **JavaScript**, including the use of **PDF.js** and integration with **HTML** and **CSS3** for front-end functionality, reducing errors in spec sheet creation by 70% for 8 garments.
- Led the development of a 3D product configurator using **Three.js**, enabling advanced customization features and improving rendering quality by 40% compared to third party solutions.

Software Engineer Intern | Halfgram | Remote | [Halfgram App](#) **Jan 2024 - July 2024**

- Developed key user engagement features for Halfgram, a text-based social media platform, using **React Native**, **Node.js**, and **Firebase**, ensuring seamless user experiences.
- Integrated real-time messaging UI via **Firebase**, boosting interactivity and receiving positive feedback from 90% of beta testers.
- Optimized Firestore database queries with batch processing, reducing app load time by 30%.

EDUCATION

Brooklyn College | Brooklyn, NY **Sept 2024**

Relevant Courses: Data Structures, Algorithms & Analysis, Introduction to Software Engineering, Human and Computer Interaction

TECHNICAL SKILLS

Programming Languages: Go, Python, Java, JavaScript, TypeScript, HTML/CSS, SCSS

Frameworks & Libraries: React, React Native, Next.js, Redux, Node.js, Express, Three.js, tRPC, Socket.io, PostgreSQL, MySQL

Cloud & DevOps: AWS, GCP, Terraform, Firebase, BigQuery, Datadog, LaunchDarkly, Vault

Developer Tools: GitHub, Jira, Postman, VS Code, Expo, Vercel, Figma, SumoLogic, Warp, Goland

ADDITIONAL EXPERIENCE

Resident | Tech Talent Pipeline Residency Program | Brooklyn College **Jun 2023 - Aug 2023**

- Selected as one of 40 residents, complete 100+ hours of intensive coursework focused on Full-Stack Web Development, Data Structures, and Algorithms.

Participant | Google Software Engineering program **Mar 2024 - May 2024, Oct 2023 - Dec 2023**

- Selected as one of 80 participants from over 600 applicants for a 10-week intensive mentoring program with Google Software Engineer, which enhanced technical proficiency and improved readiness for software engineering interviews.

Participant | HackHarvard | Harvard University **Oct 2023**

- Built LeetSensei, a browser extension providing pseudocode assistance for LeetCode problems, during a 48-hour hackathon.