

Jeffrey Wong

jhw263@cornell.edu • mynamejeff.dev • New York, NY • (917) 293 2301

Summary

Senior Software Engineer with 5+ years of experience designing, developing, and deploying scalable web applications and backend systems. Currently serving as Tech Lead, driving technical direction, architectural decisions, and mentoring team members. Proficient across all areas of full-stack development, with an emphasis on composing simple, but robust AIP-compliant microservices. Passionate about clean architecture, cross-team collaborations, and system reliability to deliver business value.

Experience

Apr 2025 - Present

Senior Software Engineer, Yext — Messaging, Workflow Automations

- Managed a team of 5 engineers, owning and maintaining critical, core platform services related to emails, notifications, webhooks, and workflows.
- Designed a new Rules engine to asynchronously evaluate event-driven conditions in the platform and orchestrate generic actions across services.
- Led cross-group collaborations to integrate Social into our approval Workflows product (Tasks).
- Coordinated multi-team efforts to integrate a new Pages visual layout editor task into Workflows. As a result, extended the feature set of our governance product by supporting multi-tiered approvals.

Aug 2024 - Apr 2025

Technical Lead, Yext — API

- Task force of 3 aimed at empowering API-first development at Yext.
- Propagated principal tokens (JWT) to all downstream services to delegate authentication and access control responsibilities to the resource services.
- Implemented an API adapter that allows our gRPC services to seamlessly participate in the Yext API. Introduced a new HTTP proxy mechanism in our API gateway layer to route API requests.
- Implemented an internal gRPC-web adapter to replace front-end interfaces built on the Play framework. Streamlined development at Yext by allowing front-ends to issue gRPC calls to the server directly.

Aug 2020 - Aug 2024

Software Engineer, Yext — Core Platform

- Built an integration with SendGrid to implement a new self-serve email white-labeling feature. Advised the rollout of a new email delivery service (Mailgun) to send HIPAA compliant emails for healthcare partners.
- Led initiative for architecting a new infrastructure for notifications, scaling it to send >1M notifications per month. Extended notification configuration by offering an interface to update profiles declaratively via JSON or through API.
- Migrated API usage reporting from Prometheus-backed data sources to Snowflake. Migrated the data store backing developer API logs from Elasticsearch to Snowflake. Set up pipelines across all of our services to ingest events, metrics, and logs into Snowflake.
- Designed SLIs and SLOs to track email sending and deliverability performance.

Education

2016 - 2020

B.S. in Computer Science, Dyson Business Minor, Cornell University

- Relevant Coursework: Algorithms, Artificial Intelligence (TA), Operating Systems, Databases, Computer Vision, Functional Programming, Data-driven Web Applications, Computer Architecture, Object Oriented Programming, iOS App Development
- Business Coursework: Finance, Digital Business Strategy, Managerial Accounting, Business Simulation, Investments, Entrepreneurship for Engineers
- Organizations: Poseidon Dragon Boat Team (representing NewYork-Presbyterian), Cornell Badminton

Projects

Game Server Customization — github.com/j-effrey/new-leaf-v111

- Maintained and deployed a multi-player MapleStory private server via Oracle Cloud instance, running on v111 source code.
- Configured game server, network configuration, and database infrastructure using Java and MySQL.
- Developed new features, updated gameplay mechanics, and customized parts of the game logic to improve overall experience.

Skills

- Code: Java, Go, TypeScript (React.js), Python, SQL
- Technologies: Apache Airflow, Kafka, RabbitMQ, gRPC, Play, Bazel
- Monitoring: Grafana LGTM, Prometheus, Lightstep, Sentry
- Interests: Gaming, fitness, watches, streetwear, sports