

# PRABHAV CHAWLA

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## Experience

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**Plaid** **September 2022 – Present**  
*Senior Software Engineer* *Chicago, IL*

- Led the technical implementation and GA rollout of the returning user experience in Plaid Link, growing adoption from 0 to 60 million users, increasing conversion by 11.0% and ARR by \$6.75 million.
- Technical lead for a backend engineering team of five - onboarded three new hires, streamlined team processes, and prioritized quarterly roadmaps to build gRPC APIs, Go microservices and data models leveraged by Plaid Layer, Credit Underwriting and Pay by Bank product teams.
- Received the Deliver Impact Award, became the top contributor to Plaid's Go monorepo within two years of joining.

**Citadel** **February 2021 – August 2022**  
*Software Engineer* *Chicago, IL*

- Worked on several mission-critical UIs, REST APIs, GraphQL microservices and Airflow jobs used by investment professionals to trade, manage risk, and measure performance in equity markets across the world.
- Rearchitected a Flask web-application – increased uptime from 95% to 99.9% by leveraging Kubernetes and Datadog monitoring, achieved a 10x speed-up by optimizing SQL queries, implementing caching strategies and vectorizing operations, a 70x reduction in vendor API costs, and a 6x reduction in PagerDuty incidents over a period of 8 months.
- Received the Engineering Excellence Award for commitment to code quality, reviews, and adopting best practices.

**Facebook** **May 2020 – August 2020**  
*Software Engineering Intern* *Seattle, WA*

- Migrated codebase of the Public Connections team to use a cross-platform, server-rendered UI framework in Hack.
- Drove adoption from other product teams by improving the framework's DX, customizability and pagination APIs.
- Set up A/B experiments for FB Lite rollout with thorough end-to-end testing and monitoring to prevent regressions.

**Facebook** **May 2019 – July 2019**  
*Software Engineering Intern* *Menlo Park, CA*

- Performed a full rewrite of core Facebook Groups features using modern web technologies such as React Hooks, Code-Splitting and Concurrent Mode APIs, optimistic Relay mutations, GraphQL fragments and atomic CSS.
- Collaborated cross-functionally with product designers to develop new components for a company-wide React library.

## Projects

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**Praan Progressive Web App (PWA)** | *TypeScript, Express, Google Cloud Platform* **January 2020 – April 2020**

- Leveraged Google Cloud Functions, Firestore, and Pub/Sub topics to store real-time air quality sensor data from India.
- Exposed the data via an Express API and added caching middleware to significantly reduce response time.
- Built a responsive React PWA in TypeScript that utilized Firebase for authentication and hosting, Highcharts to plot sensor data, and the Google Maps Geocoding API to retrieve sensor location.

**Donation Marketplace Solution** | *Next.js, MongoDB, Vercel* **January 2020 – April 2020**

- Led the development of a Next.js web app that let users make donations to nonprofits of their choice.
- Optimized performance through server-side rendering and build-time static generation of dynamic routes.
- Integrated Stripe's APIs to securely process payments – code deployed as stateless serverless functions on Vercel – and used MongoDB, managed via Atlas, for persistent storage requirements.

**T-Square Gradebook** | *Swift, Web Scraping* **August 2017 – October 2017**

- Worked on an iOS app that allowed students to view class grades in a user-friendly, lightweight mobile UI.
- Enabled support for Georgia Tech's CAS and two-factor authentication process, employed the SwiftSoup library to parse HTML data fetched from T-Square (the official gradebook portal) all without any API access.

## Education

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**Georgia Institute of Technology** **August 2016 – December 2020**  
*B.S./M.S. in Computer Science; Graduate GPA: 4.0/4.0* *Atlanta, GA*

## Skills

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**Languages:** Go, TypeScript, JavaScript, Python, Java, SQL, HTML/CSS, Hack, Ruby, C, Bash

**Developer Tools:** Git, AWS Aurora and Redshift, Kubernetes, Docker, Elastic Stack, Sentry, Datadog, Airflow, MongoDB

**Frameworks:** gRPC, React, Next.js, Apollo, GraphQL, Redux, SQLBoiler, SQLAlchemy, Goose, Flask, Express, Rails