

Atul Jalan

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EDUCATION

Northwestern University

B.A. Computer Science

GPA: 3.85/4.00

Graduating December 2021

EXPERIENCE

Software Engineer Intern

June – September 2021

HiGeorge (YC W21)

Los Angeles, CA

- Led frontend development for HiGeorge's flagship SAAS product, which allows businesses to generate and store real-time, interactive data visualizations.
- Designed and built the entire frontend authentication and accounts core infrastructure.
- Became the company lead on analytics after integrating events tracking across the product and setting up dashboards to analyze KPIs & optimize user flows in Amplitude.
- Created a centralized platform for the BD team to administer user accounts and provision access to data feeds, which was previously done manually by the engineering team.

Co-founder, Product & Engineering

September 2020 – May 2021

Carousel LLC

Chicago, IL

- Led product and frontend development for an innovative mobile app to centralize all the tools student groups rely on into one application.
- Helped develop a microservices-based systems architecture that could reliably handle storing and fanning messages, images, and push notifications at scale using various AWS services.
- Built the data layer for the frontend app, which interfaced with the server, local storage, and UI to efficiently manage global state and session data.
- Created a unified design system for colors & fonts, and high-fidelity mockups of the app, using Figma.

Software Engineer

December 2019 – September 2020

Wal Logistics LLC

Los Angeles, CA

- Single-handedly architected and built a cloud database management application for a shipping logistics business clearing mid-six figure annual revenue to handle 500 monthly shipments across 7 domains.
- Created a customer portal that fully automated time-consuming processes such as filing shipments, giving status updates, and requesting support, which were previously done via phone.
- Integrated analytics collection everywhere, allowing the client to identify the strength of its various business segments and the causes of customer churn, among other benefits.
- Designed a custom UI that vastly simplified the software, significantly reducing onboarding time and speeding up daily workflows.

Software Engineer Intern

June 2020 – August 2020

Integrated Design Automation Laboratory

Chicago, IL

- Gave real time analysis alerts, which were previously delivered via email, by creating a WebSocket networking layer that integrated with existing authentication and REST infrastructure.
- Added a suite of image editing tools and metadata collection capabilities to the main image upload tool used to collect data for materials science image analysis applications.

SKILLS

Front-end: React, React Native, Angular, JavaScript/TypeScript, HTML, CSS

Back-end: Node.js, Express, Python, WebSockets

Tools: Various AWS Services, Heroku Cloud, MongoDB, Auth0, Amplitude