Atul Jalan

Website: atul-jalan.github.io | **GitHub**: github.com/atul-jalan | **Email**: atuljalan17@gmail.com | **Phone**: (310) 751-8012

EDUCATION

Northwestern University   **GPA: 3.85/4.00**
B.A. Computer Science   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.
- Built infrastructure to handle authentication and customized scopes for employees and external businesses.
- Fulfilled support and feature requests for 6 months after delivering the software.

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