Atul Jalan

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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 front-end development for HiGeorge's flagship SAAS product, which allows businesses to generate and store real-time, interactive data visualizations
- Designed and built the entire front-end authentication and accounts core infrastructure
- Earned position as company lead on analytics as a result of integrating events tracking across the product and setting up dashboards to analyze KPIs & optimize user flows in Amplitude
- Created a centralized platform that enabled the BD team to quickly administer user accounts and provision access to data feeds, freeing key engineering resources and streamlining changes from hours to minutes.

Co-founder, Product & Engineering   September 2020 – May 2021
Carousel LLC   Chicago, IL

- Led product and front-end development for an innovative mobile app to centralize all the tools student groups rely on into one application
- Developed 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 a set of high-fidelity mockups of the app, using Figma

Software Engineer   December 2019 – September 2020
Wal Logistics LLC   Los Angeles, CA

- 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 automated time-consuming processes such as filing shipments, giving status updates, and requesting support, which were previously done via phone
- Integrated analytics collection across the product, allowing the client to identify the strength of various business segments and the causes of customer churn, among other benefits
- Designed a custom UI that simplified the software, reducing onboarding time by about 95% and speeding up daily workflows by over 50%.

Software Engineer Intern   June 2020 – August 2020
Integrated Design Automation Laboratory   Chicago, IL

- Generated 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