

Atul Jalan

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EDUCATION

Northwestern University

GPA: 3.84/4.00

B.A. Computer Science

Expected Graduation: June 2022

- Selected Courses: Agile Mobile/Web Development, Rapid Prototyping, Human-Computer Interfaces

EXPERIENCE

Co-founder, Product & Engineering

September 2020 – May 2021

Carousel LLC

Evanston, IL

- Built a channel-based messaging app for student groups that simplified administration by tightly integrating events, forms, and announcements into the app.
- Designed a set of microservices to handle fanning and storing messages, images, and push notifications using AWS API Gateway, Lambda, and DynamoDB.
- Created high-fidelity mockups and a consistent, accessible design system for colors and fonts using Figma.
- Programmed 30+ screens for the mobile app using React Native & Redux with features such as offline storage, color themes, and haptics.

Software Engineer

December 2019 – September 2020

Wal Logistics (Local Freight Forwarding Business)

Torrance, CA

- Designed 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.
- Significantly reduced load on support staff by exposing a customer portal to enable online shipment filing, status checks, and messaging with employees.
- Built a data pipeline to collect and return insights on over a dozen metrics (e.g., average customer spend, order frequency, etc.) via an analytics dashboard.
- Substantially simplified application design and removed over 40 functions that went unused in the legacy software.

Software Engineer Intern

June 2020 – August 2020

Integrated Design Automation Laboratory

Evanston, IL

- Built a set of image preprocessing tools (crop, invert, compress, etc.) to help users quickly edit images on the same page they submit those images for analysis.
- Integrated web sockets alongside REST APIs and authentication infrastructure to return analyzed image on the same page instead of via email.
- Conceived and led a web design workshop to teach PhD students how to build personal websites using GitHub Pages and Markdown.

SKILLS

Front-end: React, React Native, Vue.js, JavaScript, HTML & CSS, Less.js

Back-end: Node.js, Express, MongoDB (NoSQL), Python, Socket.io

Technical Tools: AWS (ec2, API Gateway, Lambda, DynamoDB), Git, Heroku Cloud

Other Tools: Figma, Slack, Notion, Trello