

Kaleb Lyda

(704) 796-7316 • kaleblyda14@gmail.com • [linkedin.com/in/kaleb-lyda](https://www.linkedin.com/in/kaleb-lyda) • github.com/kalebal

TECHNICAL SKILLS

Front End: JavaScript, TypeScript, HTML/CSS, React, Redux, Styled Components, Babel, Webpack, Jest, Mocha/Chai

Back End: Node.js, Express, MySQL, MongoDB, nginx, K6, Firebase Firestore, Loader.io, AWS EC2, Docker

SOFTWARE ENGINEERING PROJECTS

UI Owner, Full Stack Engineer | Band-ayd: *band discovery* github.com/Blue-Ocean-Galley/Bandayd

- Created and presented series of wireframes and prototypes in **Figma** with strong focus on accessibility
- Accelerated team's front end styling process using **styled components**, allowing for consistent user experience

Full Stack Engineer | Park Pack: *dog park scheduler* github.com/kalebal/parkPack

- Built a full-stack app to allow users to determine the best time to visit dog parks near them
- Added geo-query system using **Firestore** and **Positionstack API**, reducing address search latency by 30%

Full Stack Engineer | Atelier: *system design of product Q&A aggregator* github.com/kalebal/Q-A

- Deployed three **Node.js Express** servers on **AWS EC2** instances behind an **nginx** load balancer to handle 2300 requests per second, a 400% increase in throughput from initial capacity
- Expedited ETL process to migrate 12 million records from CSV to embedded subdocuments in **MongoDB** using aggregate pipelines, increasing operations per second by over 500%
- Identified system bottleneck on write operations with **Artillery.io** and **K6**, reduced latency from 32ms to 8ms by refactoring expensive sub-document array filters

Front End Engineer | Catwalk: *related product widget for clothing retail site* github.com/kalebal/catwalk

- Designed **React** related product and user-created outfit carousels with comparison modals
- Managed session-based dark theme using **React Hooks** and **styled components** theme provider
- Encapsulated click tracking logic in **React** higher order components to provide detailed and consistent insight into user interactions across the page

EXPERIENCE

Preventative Maintenance Technician UNC-ITS *Chapel Hill, NC* 2018

- Assisted students and staff with hardware and software difficulties, documented all issues and generated reports detailing common issues and error trends to improve response times
- Designed a series of 6 editing workflow and troubleshooting posters for UNC's Art Department to streamline digital project setup and guide decision making during the printing process

Community Organizing Intern New York Anti-Violence Project *New York, NY* 2017

- Developed written protocols for accessible, multilingual event management and volunteer coordination to maximize efficiency and community presence
- Crafted weekly volunteer outreach plans to track volunteer engagement and increase volunteer retention

EDUCATION

Hack Reactor Advanced Software Engineering Immersive *Remote* 2021

University of North Carolina at Chapel Hill *B.A. Studio Art* 2020

Morehead Cain Scholar, GPA 3.7, Minors in Philosophy and Religious Studies

Relevant Coursework: Computer Science (14 credits), Mathematical Logic, Graphic and Web Design

Lorenzo De Medici School *Study abroad - Florence, Italy* 2020

PERSONAL

- Helped develop and present 4 hour gender and sexuality workshop series for UNC greek life
- Self-taught potter