

Brandon Moye

brandon-moye.github.io | brandon.m.moye@gmail.com | (256) 565-3398

Adaptable engineer experienced with algorithm and integration test development for process instrumentation. Progressed from process engineer to lead engineer, before being promoted to software engineer. Possesses a unique blend of hands-on experience and leadership skills to drive innovation and deliver impactful solutions.

EDUCATION

Bachelor of Science in Chemical Engineering, Minor in Biology
The University of Alabama, Tuscaloosa, AL

SKILLS

React	JavaScript, HTML, CSS	Express JS APIs
Firebase	Git	Matlab
MongoDB	Python	Netlify

DEVELOPER EXPERIENCE

Technical Projects

Present

- Deployed a live portfolio showcasing personal projects, resume, and contact information
- Created a web application using React, MongoDB, and Firebase that allows users to post content
 - Built MongoDB Realm backend functions to handle CRUD operations
 - Utilized a data processing pipeline to query, combine, and sort data across collections
- Developed a React app with Firebase authentication and user identity management
 - Used context and state management to access the current user's data throughout the application
 - Set up private routes to exclusively direct authenticated users to their data
- Built an Express JS web scraping API that delivers pertinent information to users with key-based authentication
- Created web games using JavaScript, HTML, and CSS for players to access on my portfolio

International Paper

Software Engineer

Aug 2022 - Present

- Managed the SDLC for microservices running within a large-scale application processing 5,000 tons of product daily
- Directed a \$5 million comprehensive infrastructure overhaul, including migrating from coaxial to ethernet
 - Updated software through eight versions, resulting in improved operational efficiency and reduced latency.
- Built highly intuitive data visualization tools for customers to easily relay complex algorithms to operators
- Maintained effective and diverse client relationships to produce quality products that work for a variety of users
- Developed and implemented algorithms to streamline and automate processes, increasing runtime by over 18%
- Investigated edge case conditions by debugging legacy code, reducing production downtime
- Automated critical process to enhance system reliability, achieving over \$2.7 million in annual savings

ADDITIONAL EXPERIENCE

International Paper

Lead Process Engineer

Jan 2022 - Aug 2022

- Led a team of 20 members successfully by maintaining KPI standards and maximizing production
- Increased production 27% by instilling confidence and building rapport with team members

Process Engineer

Jan 2021 - Jan 2022

- Led advanced analytics software installation, decreasing variability and improving digital visibility
- Mentored entry-level engineers in company values and technical processes