

Brandon Moyer

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OBJECTIVE

Self-starting engineer with a professional background in algorithm and integration test development for process instrumentation. Highly experienced in team management, utilizing an effective and personable approach. Seeking a software development position to apply self-taught coding skills and unique process programming experience to develop user-facing applications and solve high impact business problems.

EDUCATION

Bachelor of Science in Chemical Engineering, Minor in Biology

The University of Alabama, Tuscaloosa, AL

SKILLS

- | | | |
|-------------------------|-------------------|-------------|
| • React | • Git | • Matlab |
| • Firebase | • Python | • Excel VBA |
| • JavaScript, HTML, CSS | • Express JS APIs | • Netlify |

DEVELOPER EXPERIENCE

Training

- Mentored by a Senior Software Engineering Manager with over 10 years of experience
- Mentored by a Software Engineer and App Developer with over 5 years of experience

Technical Projects

- Deployed a live portfolio that showcases personal projects, resume, and contact information
- Developed a React app with authentication and user identity management through Firebase
 - Used context and state management to access the current user's data throughout the application
 - Built private routes to direct authenticated users to their data and routed unauthenticated users to a form page
 - Utilized pseudo functions to pass data via props from child to parent components
 - Stored UUIDs in the Firebase database and used those as keys to present the user's data from another database
- Built a web scraping API that delivers pertinent information to users with key-based authentication
- Created hangman and tic-tac-toe games for players to use on my portfolio

WORK EXPERIENCE

International Paper

Process Software Engineer & Product Manager | August 2022 - Present

- Developed algorithms to streamline and automate processes by orchestrating interdepartmental coordination
- Investigated novel process upset conditions by debugging legacy code
- Created integration tests that resulted in seamless deployment to production
- Automated fiber reclaim to increase system reliability, resulting in over \$2.7 million in annual savings
- Built highly effective data visualization tools for customers to easily relay complex algorithms to operators

Lead Process Engineer | January 2022 – August 2022

- Led a team of 20 members successfully by maintaining key operating parameters and maximizing production
- Set new process records by instilling confidence and building rapport with team members

Process Engineer | January 2021 – January 2022

- Project lead for Braincube software installation which decreased variability and improved digital visibility
- Identified and eliminated gaps in inventory processing, resulting in over \$1 million in initial savings
- Mentored entry-level engineers in company values and technical processes

Junior Engineer Co-op Student | August 2018 – May 2020

- Reduced chemical release by 32% through the optimization of a recovery process and doubled system flow rates
- Saved \$385,000 annually by implementing a successful chemical trial and sustainable processes
- Volunteered in company initiative to promote STEM education for elementary students
- Directed projects between contractors and managers, ensuring safe and efficient results during routine shutdowns