Joel Muluh

Software Engineer

jtmuluh@gmail.com | linkedin.com/in/joelmuluh | github.com/joelmuluh | joelmuluh.com | (317) 331-5872

EDUCATION

Purdue University Indianapolis   Indianapolis, IN
GPA: 3.6/4.0   **Graduation:** May 2026
Degree: Bachelor of Science in Computer Science

TECHNICAL SKILLS

Programming Languages: HTML, CSS, JavaScript, TypeScript, Python, C, C++, SQL
Frameworks/Libraries: React.js, Next.js, Node.js, Express.js, Django, React Native
Tools & Technologies: Git, GitHub, Firebase, MySQL, MongoDB, Adobe XD, Figma
Relevant coursework: Object-Oriented Programming (OOP), C/C++ programming, Java Programming, Python Programming, Design Patterns, Agile Methodologies, Data Structures and Algorithms (DSA), System Design, RESTful APIs.

WORK EXPERIENCE

Mobile App Developer   Dec 2022 - Mar 2023
Timacs Group
- Built an e-commerce app with an intuitive UI using React Native, enhancing engagement by 40%.
- Implemented memoization techniques, cutting load times by 30% for improved satisfaction.
- Developed a custom Full-Text search solution, saving $10K annually by avoiding the need for a paid third-party service.
- Architected a scalable Node.js backend for robust e-commerce functionality.
- Integrated a secure payment gateway, including local payment methods, boosting transactions by 25% with compliance.

Web Developer   Sep 2022 - Nov 2022
Glowvicc PLC
- Developed and launched a cutting-edge financial web application using React.js, Next.js and Node.js, revolutionizing client online interactions for managing loans and accounts, leading to a 20% increase in user retention.
- Utilized React.js and Node.js to build the frontend and backend respectively.
- Built an efficient email handling API, cutting costs by 25% and servicing 13,000+ clients.
- Collaborated with the UX/UI design team to craft out the application interface, making it more user-friendly and accessible, which contributed to a 15% increase in user engagement.
- Conducted comprehensive security audits on the web infrastructure, implementing best practices that reduced vulnerability exposures by 90%.
- Worked as both a Frontend and backend Developer (Full stack Developer)

Software Engineer   Apr 2022 - Sep 2022
Pely's Limited
- Developed a health and fitness mobile app using React Native, driving client engagement and goal achievement.
- Leveraged Firebase for backend efficiency, reducing operational costs by 30%.
- Built a custom Node.js server, enhancing app functionality and user experience.
- Leveraged the leading Mobile Money service's API to develop a localized payment solution, effectively meeting the preferences of our target audience. This initiative led to a significant 15% boost in premium Daily Active Users (DAU).

PROJECTS

Roombrains - GitHub   Mar 2022
- Developed Roombrains, a collaborative Development platform for developers, which incorporates a real-time interactive drawing board, code editor, and video chat all in one screen, improving developer productivity by 50%, using React, Node, and MongoDB.
- Leveraged a remote code execution engine to run code in multiple programming languages while keeping other functionalities in sync.
- Customized a WebRTC video interface to ensure seamless connectivity across diverse devices, enhancing user experience and engagement.
- Utilized the WebSockets protocol to build the real-time drawing board to enable developers to interact, thereby increasing productivity.
- Successfully transitioned between roles as Software Engineer, Full stack Developer, Frontend Developer, and Backend Developer.

IoT Smart Trash can - Github   Nov 2022
- Developed ESP32-based smart trash can, alerting collectors, aiming for 60% less delay and 25% more efficiency.
- Utilized Node.js for real-time sensor data processing, optimizing API call efficiency.
- Designed React.js web client to visually display trash levels, enhancing server API interaction.