PAPA YAW AGYEMAN-MANU | Full Stack Software Engineer

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Work Experience

Brigham Young University, Online Academic Support   January 2023 - Present
Web Frontend Development - Online Teaching Assistant   Rexburg, ID
- Tutored 10+ online students weekly on fundamental web front-end development techniques and concepts, utilizing interactive coding exercises and real-time feedback.
- Partnered with course instructors to help students grasp front-end concepts, leading to a 20% increase in assignment completion rates.
- Graded 25+ assignments and projects weekly and gave constructive feedback that improved students grades by a 15% average.

KORE Power, Inc   July 2023 - December 2023
Software Developer Intern   Coeur D'Alene, ID
- Revamped and modularized internal website codebase, using react components, increasing component reusability by 40%, streamlining development processes and reducing redundancy.
- Created an educational platform web app using React and Node.JS to educate all new employees with quizzes, literature, and videos improving onboarding process.
- Enhanced operational efficiency by 30% through user-friendly design elements and intuitive navigation features using React and Tailwind CSS.

Skills

- Languages: Python, JavaScript, Typescript, C#, C++.
- Web Technologies: HTML, CSS, Tailwind CSS, React JS, Next.js, Node.js, RESTful API.
- Databases Technologies: MySQL, PostgreSQL, NoSQL, Prisma ORM, Supabase, MongoDB.
- Version Control and Hosting: GitHub, Vercel, Planet Scale.

Projects

- **Full-Stack Wedding Website:** Developed a full-stack wedding website using TypeScript, React, and Next.js to manage guest information, RSVPs, and feedback.
- **Proof-of-Concept Learning Management Software (LMS):** Created an LMS with TypeScript, React, and Next.js, featuring teacher/student modes, videos, and quizzes.
- **Learning Management Software Development:** Used a proof-of-concept to build a full LMS, with notes, links, attachments and recently deleted features from scratch
- **Proof-of-Concept Spotify Clone:** Built a Spotify clone using TypeScript, React, and Next.js, with interest in Spotify's interface, playback, and playlist management.

Education

Brigham Young University - Idaho   April 2020 - December 2024
Bachelor of Science, Software Engineering   Rexburg, ID
- Focus - Full-Stack Software Development, Computer Programming, Software Design.
- Honors - Thomas E. Ricks Academic Scholarship (Merit-based).