

# PAPA YAW AGYEMAN-MANU | Full Stack Software Engineer

208-948-3868 | yawam0902@gmail.com | [software-portfolio-site.vercel.app](https://software-portfolio-site.vercel.app)

## Work Experience

---

### Brigham Young University, Online Academic Support

January 2024 - Present

#### Web Development - Online Teaching Assistant

Rexburg, ID

- Tutored 10+ online students weekly on fundamental web development techniques and concepts, utilizing interactive coding exercises and real-time feedback.
- Partnered with course instructors to help students grasp full-stack development concepts, leading to a 90% increase in learning satisfaction rates.
- Graded 25+ assignments and projects weekly and gave constructive feedback that improved students' grades by a 20% 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: JavaScript (ES6+), TypeScript, Python, HTML/CSS, C#.
- Frameworks: React, Next.js, Tailwind CSS, SCSS, Node.js, Express.
- Database Technologies: MySQL, PostgreSQL, NoSQL, Prisma ORM, Supabase, MongoDB.
- Tooling & Integration: GitHub, Vercel, REST APIs, Role-Based Authentication, API integration.
- Other: Agile Methodologies, UI/UX collaboration, debugging, performance optimization.

## Projects

---

- **Full-Stack Wedding Website:** Developed a 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 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 - July 2025

#### Bachelor of Science, Software Engineering

Rexburg, ID

- Focus - Full-Stack Software Development, Software Design, Algorithms and Data Structures.
- Honors - Thomas E. Ricks Academic Scholarship (Merit-based).