YAW AGYEMAN-MANU

https://www.pyfolio.dev/ | 208-948-3868 | yawam0902@gmail.com

Experience

Software Engineer May 2026 - Present
Software Technology Group (BYU Pathway Worldwide) Remote - Salt Lake City, UT

- Built instructor portal features in Power Pages, Liquid and React that surface student enrollment, retake and grade data from Dataverse and Canvas, giving instructors clearer visibility into student progress.
- Replaced a proposed static option set with a relational Dataverse lookup and dynamic JavaScript filtering, keeping applicant start data accurate and reusable for reporting and integrations.
- Automated a large enrollment data cleanup with paginated Power Automate flows, duplicate prevention and logging, validating across thousands of records in non-production to reduce risk before deletion.
- Investigated ambiguous defects across Dynamics 365, Dataverse and Canvas, separating true system issues from data and configuration problems so product management could decide next steps.
- Building automation that lets QA provision test data from a single request, replacing manual SIS API calls.

Full-Stack Software Engineer November 2024 - February 2026
sCreate (Startup) Remote - Salt Lake City, UT

- Designed full-stack features supporting business workflows, improving system reliability and efficiency.
- Reduced data-entry errors 100% by enforcing consistent validation logic across client and server-side systems.
- Improved admin task completion speed 30% by simplifying enrollment flows and refining UI/UX for clarity.
- Collaborated with non-technical stakeholders to translate requirements into clear, maintainable solutions.

Software Developer Intern July 2023 - December 2023
KORE Power, Inc Coeur d'Alene, ID

- Developed internal web tools and backend routes to support onboarding and operational workflows.
- Built secure access controls and role-based authentication, reinforcing system safety and compliance.
- Migrated enterprise workflows into ServiceNow with documentation that improved long-term maintainability.
- Analyzed workflow data to find inefficiencies and supported IT operations (access configuration, workstation setup).

Web Development - Teaching Assistant January 2024 - July 2025
Brigham Young University - Idaho, Online Academic Support Rexburg, ID

- Mentored 10+ students in web development fundamentals, including frontend, backend and core API concepts.
- Reviewed and graded 25+ projects weekly, giving written, actionable feedback that improved outcomes by 20%.
- Troubleshot complex student projects, reinforcing structured problem-solving and debugging practices.

Degree Verification Specialist / Lead September 2021 - July 2023
Brigham Young University - Idaho, Student Records and Registration Rexburg, ID

- Led degree audit validation for 500+ students, reviewing 10+ audits daily for data accuracy and policy compliance.
- Explained complex academic policies to non-technical audiences and reported recurring issues to leadership.

Skills

- **Languages:** JavaScript / TypeScript, Python, SQL, HTML / CSS, C#, Java (familiar).
- **Frameworks & Libraries:** Node.js, Express.js, React, Next.js, Tailwind CSS, ASP.NET Core.
- **Power Platform & Dynamics 365:** Dataverse, Power Automate, Power Pages, FetchXML, Liquid, Xrm Client API.
- **Databases:** MySQL, PostgreSQL, MongoDB, Supabase.
- **Tools & Platforms:** Git / GitHub, AWS, Vercel, Playwright, ServiceNow, Jira, REST APIs.
- **AI Agents & Automation:** AI agents, platforms, skills and automations (Claude, Claude Code, Claude Cowork, Claude Design, OpenAI Codex); build reusable AI skills and automations.

Projects

- **Curator - Choir Management & Music Learning Platform (April 2026 - Present):** Built a full-stack PWA (Next.js, TypeScript, Supabase/PostgreSQL) with an interactive follow-along score player, row-level-security access control across 15 tables, and offline install. Fixed a privilege-escalation flaw in an invite function found in a security audit.
- **AI Chat Assistant (July 2025 - August 2025):** Designed and deployed an interactive assistant to improve site navigation and answer accuracy; documented failure cases to improve reliability.

Education

Brigham Young University - Idaho April 2020 - July 2025
B.S Computer Software Engineering Rexburg, ID

- Focus: Full Stack Software Development, Database Design and Development, Product Management.
- GPA: 3.7 | Honors: Thomas E. Ricks Academic Scholarship (Merit-based).