

TIFFANY HALL

Full Stack Developer | Educational Technology Specialist | Technical Product Owner

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PROFESSIONAL SUMMARY

Full Stack Developer with 3+ years building scalable EdTech solutions + 15+ years understanding user needs. Delivered ESSA Tier 1 literacy platform serving elementary schools nationwide. Expert in Ruby on Rails, JavaScript, React, Python with focus on accessibility and performance optimization.

TECHNICAL SKILLS

Programming Languages: Ruby on Rails, JavaScript, React, Python, HTML5, CSS3, SQL, TypeScript

Frameworks & Tools: NextJS, REST APIs, Streamlit, Docker, AWS, Stylus, Jest Testing Suites

Databases: SQL, PostgreSQL, MySQL

Cloud & DevOps: AWS Certified Cloud Practitioner, Docker, Cloud Architecture

Development Practices: Agile/Scrum, TDD, Git Version Control, CI/CD, Code Review

Specializations: Educational Technology, Accessibility Compliance, Real-time Applications, API Integration

PROFESSIONAL EXPERIENCE

SCHOLASTIC INC.

Remote

Technical Product Owner / Full Stack Developer September 2022 - August 2025

- **Large-Scale Application Development:** Delivered literacy tools used by thousands of K-3 students and teachers nationwide through scalable educational technology solutions built with React, TypeScript, and Ruby on Rails
- **Advanced Architecture:** Architected internal tools and platform enhancements using Python, machine learning technologies, and SQL databases with focus on performance and scalability

- **Innovation & Prototyping:** Built proof-of-concept applications for educational content analysis and assessment workflows utilizing Streamlit and Replit
- **Real-Time Features:** Enhanced existing platforms with real-time capabilities and interactive features, implementing comprehensive Jest testing suites
- **Mission-Critical Maintenance:** Successfully maintained critical educational platforms under challenging team conditions across full-stack technologies
- **Cross-Functional Collaboration:** Translate technical requirements into user stories and coordinate with multiple development teams
- **Key Product Achievement - Knowledge Library Digital Teacher Hub**
 - **Multi-Team Coordination:** Leading technical development across multiple development teams for comprehensive K-5 literacy instruction platform
 - **Rapid Development Cycles:** Coordinating rapid feature releases across cross-functional development teams
 - **Search & Discovery:** Delivered standards-based content discovery platform with advanced search capabilities
 - **Large-Scale Deployment:** Successfully launched educational platform supporting nationwide classroom implementation
- **Key Product Achievement - A2i Literacy Assessment Platform**
 - **Research-Grade Excellence:** Achieved ESSA Tier 1 efficacy rating for platform serving elementary schools nationwide
 - **Full-Stack Mastery:** Built comprehensive literacy assessment and instructional planning application using Ruby on Rails, JavaScript, and React
 - **Real-Time Engineering:** Engineered full-stack solution supporting real-time teacher recommendations and student progress monitoring
 - **Responsive Design:** Implemented responsive design and system integrations for seamless classroom workflow
 - **Performance Optimization:** Optimized application performance for high-volume usage in classroom environments

TRIPLETEN

Remote

Livestream Host & Technical Interviewer July 2023 - Present

- **Technical Communication:** Host 40+ live coding competition showcases demonstrating best practices across Software Engineering, Data Science, Business Intelligence Analytics, Quality Assurance, and Cybersecurity
- **Code Review Excellence:** Conduct post-presentation technical interviews highlighting problem-solving approaches and code quality
- **Live Production Management:** Manage complex live streaming production including real-time technical troubleshooting
- **Community Building:** Foster learning community with videos averaging 200+ total views and consistent engagement
- **Simulation Leadership:** Host virtual "Backdoors and Breaches" cybersecurity simulation sessions

LEARNING OVATIONS INC.

Remote

Full Stack Developer February 2022 - September 2022

- **Acquisition Success:** Contributed to the technical foundation that led to successful acquisition by Scholastic Inc.
- **Core Development:** Served as second developer on two-person development team at educational technology startup
- **API Architecture:** Built core API integrations and database architecture supporting scalable educational platforms
- **Technology Stack:** Developed educational technology solutions using Ruby on Rails, JavaScript, React, CSS, HTML, and SQL
- **Fast-Paced Delivery:** Collaborated with cross-functional teams in fast-paced startup environment
- **Process Establishment:** Demonstrated ownership mentality while establishing development processes and technical standards

INDEPENDENT TECHNICAL CONSULTANT & DEVELOPER

Denver, CO and Virtual

Full Stack Developer & Technical Consultant March 2021 - Present

- **Perfect Delivery Record:** Maintained 100% client satisfaction rate through technical excellence and reliable support with 100% on-time delivery across all projects

- **Rapid Development:** Delivered 2 full-stack web applications within 2-week timelines from consultation to deployment
- **E-commerce Excellence:** Completed comprehensive e-commerce implementation including custom development and full platform integration within 1-month timeline
- **Custom Solutions:** Design and develop full-stack web applications from scratch using HTML5, CSS3, JavaScript, React, and REST APIs
- **Platform Development:** Build and customize websites using WordPress, Wix, GoDaddy, and Shopify platforms with custom functionality
- **Technical Training:** Develop technical training programs to empower clients with website management skills
- **Full-Stack Ownership:** Manage complete development lifecycle from architecture through deployment and ongoing maintenance

DSST PUBLIC SCHOOLS

Denver, Colorado

Special Education Administrator & EdTech Lead August 2015 - February 2022

- **Team Leadership Excellence:** Led team of 25+ education professionals including 9 special educators, 12 paraprofessionals, 3 social workers, and therapy staff
- **Technology Leadership:** Led educational technology initiatives while representing school in district-level technology conversations
- **System Administration:** Provided technical support and troubleshooting for students and staff in remote/virtual environments
- **Data-Driven Solutions:** Achieved 100% IEP compliance through technology-enhanced tracking and reporting systems
- **Innovation Implementation:** Increased student re-enrollment from below 80% to 96% through technology-enhanced program development
- **Performance Analytics:** Led data analysis resulting in 26% higher exam growth rates through technology-supported interventions

EDUCATION & CERTIFICATIONS

AWS Certified Cloud Practitioner | exp. 2027

Elementary Education K-6 Teacher - Colorado Licensed | exp. 2031

Special Education Generalist (5-21) - Colorado Licensed | exp. 2031

Scrum.org - Professional Scrum Master I | issued 2022

ADDITIONAL SKILLS

Languages: Spanish (B1 - Intermediate)

Accessibility: WCAG Compliance, Universal Design for Learning, Section 508

Testing: Jest, Unit Testing, Integration Testing, User Acceptance Testing

Collaboration: Agile Development, Code Review, Pair Programming, Technical Documentation