

# TIFFANY HALL

Full Stack Developer | Educational Technology Specialist | Technical Product Owner

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## PROFESSIONAL SUMMARY

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Full Stack Developer with 3+ years building scalable EdTech solutions and unique expertise in educational domain requirements. Proven ability to rapidly master new technologies from LLM integration to AWS ML services while delivering production-ready solutions under tight deadlines. Skilled in Ruby on Rails, JavaScript, React, Python with focus on accessibility and performance optimization.

## TECHNICAL SKILLS

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**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

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

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

## PROFESSIONAL EXPERIENCE

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### OUTCOME ENGINE | Remote

Technical Product Manager (Contract) | August 2025 - Present

- **AI Product Leadership:** Drive product strategy and implementation of AI/ML features including LLM integration across development teams
- **Project Orchestration:** Create project charters and maintain requirements traceability matrices ensuring full visibility from concept to delivery

- **Sprint Management:** Structure and manage JIRA epics, sprints, and tickets to optimize team velocity and delivery predictability

## **SCHOLASTIC INC. | Remote**

**Technical Product Owner** | January 2025 - August 2025

- **Rapid Leadership Impact:** Assumed product leadership managing 2 development teams within first 30 days
- **Multi-Team Coordination:** Led cross-functional teams delivering comprehensive K-5 literacy platform launching in thousands of classrooms nationwide
- **Agile Excellence:** Managed product backlog and sprint planning while maintaining development velocity under changing requirements

**Full Stack Developer** | September 2022 - January 2025

- **Large-Scale Impact:** Delivered literacy tools used by thousands of K-3 students and teachers nationwide
- **Technical Architecture:** Architected platforms using Python, machine learning, Ruby on Rails, JavaScript, and React
- **Innovation Leadership:** Built proof-of-concept applications for educational content analysis and assessment workflows

### **Key Technical Achievement - AI-Powered Content Taxonomy Tool**

- ❖ **Solo Technical Leadership:** Stepped up as sole developer when tech lead departed, delivering complete AI solution within 1-month deadline
- ❖ **Multi-Stack Mastery:** Rapidly learned and integrated LLM prompt engineering, AWS ML services, and Strapi CMS to create production-ready tool
- ❖ **Complex AI Integration:** Engineered LLM prompting system to reliably extract taxonomy-compliant keywords from diverse educational content
- ❖ **Production Impact:** Tool remains in active use, successfully feeding into search development roadmap

### **Key Product Achievement - A2i Literacy Assessment Platform**

- ❖ **Research-Backed Success:** Achieved ESSA Tier 1 efficacy rating serving elementary schools nationwide
- ❖ **Full-Stack Solution:** Built comprehensive assessment platform with real-time recommendations and progress monitoring
- ❖ **Seamless Integration:** Implemented responsive design and API integrations for optimal classroom workflow

## **TRIPLETEN | Remote**

## **Livestream Host & Technical Interviewer | July 2023 - Present**

- **Community Leadership:** Host 40+ live coding showcases across Software Engineering, Data Science, and Cybersecurity programs
- **Technical Communication:** Conduct post-presentation interviews and manage live streaming production (30-90+ minutes)
- **Content Impact:** Deliver monthly programming with videos averaging 200+ total views

## **LEARNING OVATIONS INC. | Remote**

### **Full Stack Developer | February 2022 - September 2022**

- **Acquisition Success:** Contributed to technical foundation leading to successful acquisition by Scholastic Inc.
- **Startup Environment:** Served as second developer on two-person team building scalable educational platforms
- **Architecture Leadership:** Built core API integrations and database architecture while establishing development processes

## **INDEPENDENT CONSULTANT & DEVELOPER | Denver, CO**

### **Full Stack Developer & Technical Consultant | March 2021 - Present**

- **Perfect Delivery Record:** 100% client satisfaction with 100% on-time delivery across all projects
- **Rapid Development:** Delivered complete web applications within 2-week timelines from consultation to deployment
- **Full-Stack Solutions:** Built responsive applications using modern frameworks, e-commerce platforms, and CMS solutions

## **EDUCATION & CERTIFICATIONS**

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**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**