

# James Edwin Erickson

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**Full-Stack Developer** who enjoys building complete, high-quality applications from start to finish. I focus on creating software that's fast, reliable, and user-friendly—combining solid engineering with thoughtful design. Experienced in React, .NET, and Azure, I deliver solutions that balance speed, scalability, and great user experience.

## EDUCATION

### Bachelor of Science Information Systems

Jun 2026

Full-Stack Development Emphasis, STEM-designated technical program

Brigham Young University- Marriot School of Business, Provo, Utah

- GPA 3.52
- Associate of Information Systems
- winning the BYU IS INTEX competition
- Relevant Coursework: Web Development (React, .NET), Database Design & Management, Data Communications & Networking, Information Systems Security & Controls, Project Management, Enterprise Application Development

## TECHNICAL SKILLS

**Languages & Frameworks:** Python, C#, JavaScript, React, ASP.NET Core, HTML/CSS, SQL, VBA, Swift

**Web Development & UX:** React + Tailwind CSS, Secure user authentication systems, Stripe Integration, Accessibility, UI/UX

**Backend & Databases:** PostgreSQL, MySQL, SQLite, RESTful APIs, Authentication (cookies, sessions), ERD Modeling

**Cloud & Infrastructure:** Azure, AWS EC2, Render, Vercel, Nginx, Ubuntu Linux, SSL Setup, Static IPs

**Security & Cyber:** Encryption & Hashing, Network Scanning (Nmap), VPN Configuration, Forensics

**AI & Automation:** OpenAI API Integration, Prompt Engineering, GPT-4o Business Applications, Automation using Cursor

**Version Control:** Git, GitHub (Private/Public Repositories, CI/CD Deployment)

### Project Experience:

- Launched math tutoring website (React/.NET) with mobile-first design and scheduling tools – 2025
- Built streaming platform (React + .NET + Azure) with ML models to predict user preferences and boost engagements - 2025
- Designed and deployed full-stack website (HTML/CSS, SQL, ERD Modeling, AWS EC2) – Awarded 1<sup>st</sup> Place - 2024
- Developed budgeting application with Stripe integration, user auth, and custom API logic (React + .NET + Azure) - 2024

## EXPERIENCE

### Research Assistant and Web Developer

May 2024 - Present

Record Linking Lab at BYU, Provo, Utah

- Built and deployed donor platform (React + .NET) enabling contributions that fund and employ African student researchers
- Designed responsive front-end (JavaScript, TypeScript, HTML, CSS) and optimized UI/UX for accessibility
- Developed Khan Academy-style learning system with admin tools for course uploads and progress badges
- Partnered with faculty to ensure data security, accessibility, and scalability

### Spanish Area Supervisor

May 2022 - Present

Missionary Training Center, Provo, Utah

- Managed logistics and training for 15+ teachers weekly, using monday.com, Oracle to optimize scheduling and feedback
- Delivered weekly vision and pedagogy training, improving instructional consistency across the team
- Conducted bi-weekly classroom observations and demonstrations, providing targeted feedback to enhance teaching quality

### CEO/Founder

Jan 2022 – Mar 2024

GoodAd Marketing, Provo, Utah

- Built no-code, client websites, ran Facebook, Instagram, and Google Ads campaigns, generating daily inbound leads
- Oversaw pricing strategy, ad performance optimization, and client onboarding

### Volunteer Representative – Spanish

Oct 2019 - Oct 2021

Church of Jesus Christ of Latter-Day Saints, Montevideo, Uruguay

## OTHER SKILLS AND ACHIEVEMENTS

- Eagle Scout, Boy Scouts of America
- On-Campus Internship for Engage Now Africa – 2025, Notion Campus Leader for BYU 2025
- Enjoy playing tennis, biking and working on bikes, technical woodworking