

Ethan Nielsen

Software Engineer

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Professional Summary

I am a full stack developer with a passion for creating web applications. I am currently a Senior at Brigham Young University Idaho studying Software Engineering. I have experience with React, ChakraUI, Typescript, Express, MongoDB, and more, with a knack for creativity. I am always looking for new opportunities to learn and grow as a developer while also bringing valuable work and experience to your team.

Authorized to work in the US for any employer

Work Experience

AI Trainer

Cartwheel-New York, NY

June 2024 to January 2025

At Cartwheel AI, I was responsible for labeling and annotating large datasets of motion capture and animation data to support the training of AI models. My work focused on ensuring data accuracy and consistency, which contributed to improving the performance of AI-generated 3D animations. I collaborated with the AI development team to meet project requirements and maintained high-quality standards throughout the data preparation process.

Junior Software Developer

CorEMR Inc.-Orem, UT

April 2024 to October 2024

As a development intern, I contributed to enhancing CorEMR's server-side rendered Electronic Medical Records web application by implementing improvements and integrating user feedback. I led a side project to develop a comprehensive Selenium pipeline for automating QA testing, streamlining the testing process and improving reliability. Additionally, I worked closely with the support team to integrate customer-suggested improvements, ensuring the application continuously evolved to meet user needs.

Skills Acquired/Improved:

1. JavaScript
2. PHP
3. SQL
4. HTML/CSS
5. Front-End Frameworks
6. Bash
7. Selenium

Software Engineer Intern

Capital Insurance Group, LLC.-Roseville, CA

April 2023 to September 2023

As a software engineering intern, I collaborated with a team of developers using the SCRUM methodology to improve automation processes. My primary project focused on streamlining the update of user tax information, which was previously a manual process. I designed and implemented a Jenkins pipeline to automate data retrieval and transformation, ensuring updated tax information was processed efficiently and made accessible to users in real time. This automation significantly improved workflow efficiency and accuracy, reducing the need for manual intervention and enhancing the overall user experience.

Skills Aquired/Improved:

1. API's
2. JavaScript
3. Python
4. SQL
5. Bash
6. Jenkins (Pipelines, CI)

Missionary

The Church of Jesus Christ of Latter-day Saints-Roswell, GA

June 2021 to October 2021

I was a missionary for the church of Jesus Christ of Latter-day Saints. I lived in Georgia working to find, contact, and invite as many as we could to hear a message. We would be working from 6:30am to 9pm. Some of the work included going door to door, finding referrals, and contacting any of those people we found that were interested. This full time job taught me many lessons and work ethic.

Video Editor

Eye of the Tiger News-Roseville, CA

August 2017 to June 2021

I worked as a video editor for 4 years. This is a program that was run through my school that I am very proud of. I edited and produced many packages for them for 4 years.

<https://eyeofthetigernews.com/>

Education

Bachelor's degree (In-Progress) in Software Engineering

Brigham Young University-Idaho - Rexburg, ID

January 2022 to Present

Through coursework and hands-on projects, I gained experience in software development, web applications, and automation. I will be graduating with the certificates: Full-Stack Development and Software Management. The project I am most proud of is this portolio site! It is built with React, TypeScript, and Chakra-UI. I built server-side rendered web apps as well, including a wedding videography platform and a car sales site, strengthening my skills in JavaScript, HTML/CSS, APIs, and MVC frameworks. I also developed a Python game using Pygame to test reaction speed, improving my understanding of game loops and algorithm efficiency. Additionally, I created a C#-based program for home cooks to manage recipes, track inventory, and generate meal suggestions, reinforcing my knowledge of software architecture and data management. These projects, along with my studies, have built a strong foundation in full-stack development, automation, and software engineering principles.

High school diploma

Roseville High School - Roseville, CA

August 2017 to June 2021

Bachelor's degree

Skills

- Python
- Jenkins
- React
- Algorithm design
- Jira
- Social listening
- GitHub
- Full-stack development
- Adobe Illustrator
- Adobe Photoshop
- Responsive web design
- Photography
- Swift
- Final Cut Pro
- PostgreSQL
- OOP
- Adobe Premiere Pro
- Visual design
- Computer science
- Facebook Advertising
- jQuery
- C#
- Microsoft Word
- AWS
- Training & development
- Research
- Grammar Experience
- Marketing (4 years)
- DevOps
- REST
- Organizational skills
- SQL
- CI/CD
- MySQL
- Web design (3 years)
- Analysis skills

- Shell Scripting
- JavaScript
- APIs
- Windows
- Application development
- Git
- IT
- Editing
- Content marketing
- MVC
- Databases
- Mac OS
- Software development
- Scripting
- Slack
- AI
- Writing skills (3 years)
- Linux
- VPN
- Journalism
- Front-end development
- PHP
- HTML
- Node.js
- Software troubleshooting
- SEO
- Debugging
- CSS
- Java
- Web development
- Authentication
- JSON
- TypeScript
- Communication skills
- Business requirements
- Social media marketing
- RESTful API
- Software testing
- Office experience

Links

<https://ethan-nielsen-portfolio.web.app/>