

# Caleb Nielsen

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Portfolio: <https://calnielsen.github.io>

## SOFTWARE ENGINEER

Dedicated Software Engineer with a strong foundation in full stack web development including languages such as: Python, HTML, CSS, JavaScript, TypeScript and C#. Currently enhancing skills through freelance projects and coding bootcamps, with a commitment to continuous learning and professional growth.

### KEY EXPERTISE & CORE ACCOMPLISHMENTS

#### Web Development Experience Front

##### End:

Angular

HTML

CSS

JavaScript/TypeScript

##### Backend:

Python

AWS Lambda functions Flask & Django

#### Other Programming Language: (C#)

##### Source Control:

Git/Github

##### Focus:

Web Application Design & UX

Optimization

##### IDE:

VS Code

Pycharm

#### API Experience:

Google API's

Payment Gateway Integration (PayPal, Stripe)

#### Other Experience:

Email Automation & CRM Management

PDF Generation & Document Automation

Cloud Architecture & Serverless

Computing (AWS SAM, Lambda)

## PROFESSIONAL EXPERIENCE

#### Full Stack Web Developer Intern 2025-Present GearBox Website (Remote)

Design, develop, maintain, and update existing legacy code to current technology and standards.

- Built a responsive front end using Angular/TypeScript ensuring a smooth and accessible user experience across devices.
- Utilizing AWS Python Lambda functions enabling secure data handling and integration with payment systems.
- Integrated PayPal checkout and automated email workflows to streamline form submissions and confirmations.
- Utilized AWS services for hosting, deployment, and serverless architecture, improving scalability and cost efficiency
- Collaborated closely with team members to interpret client requirements and deliver high-quality, tailored solutions that meet project goals and expectations.
- Maintain and update client website(s) to align with evolving requirements, ensuring timely implementation of requested changes and improvements.
- Continuously exploring and integrating new technologies and APIs to deliver customized, high-performing solutions tailored to client goals.

#### Coding Instructor- CodingMinds 2025-Present (Remote)

Virtual coding instructor teaching students fundamental programming through interactive, project-based learning

- Teach virtual coding classes to K-12 students, focusing on Python, JavaScript, and game development using platforms like Roblox and Unity
- Deliver engaging lesson plans tailored to students' age and skill level, emphasizing problem-solving and real-world applications.
- Guide students through hands-on projects, helping them build games, apps, and websites while reinforcing foundational programming concepts.

### **Freelance Full Stack Web Developer 2023 - 2025 Premier Martial Arts - Oceanside, CA**

Developed a dynamic website tailored for a martial arts business, utilizing a range of programming languages and frameworks.

- Designed and implemented a user-friendly interface using HTML, CSS, JavaScript.
- Developed backend functionality with Python utilizing the Flask library, ensuring seamless user experience.
- Hosted the application on AWS, optimizing performance and reliability.
- Facilitated client-facing sessions to showcase progress, ensure alignment with goals, and foster idea generation for ongoing development.
- Optimized audio and video assets to enhance performance and ensure compliance with SEOs

## **EDUCATION**

**Charter Oak State College: Associate of Science in General Studies (in progress)** — Expected 2025

**Harvard University edX** — Currently enrolled in Computer Science coursework (2025)

**MiraCosta Community College** — Coursework completed toward Associate degree, 2019

## **CERTIFICATIONS**

**Python Mastery Certificate** — 2023

**100 Days of Code: The Complete Python Pro Bootcamp** — 2024

## **EXTRACURRICULAR**

**Game Jams (2025)**

[calnielsen.itch.io](https://calnielsen.itch.io)

Participated in multiple game jams, handling all aspects of game development—including design, coding, and asset creation. Demonstrated creativity, technical versatility, and the ability to deliver complete projects under tight deadlines.