Harrison S. Holt | (864)-437-3723 | hholt2901@gmail.com | https://harrisonholt.dev

Education

B.S Computer Science | Psychology Minor | Clemson University | Dec 2024
Full Stack Software Development Certificate (React, Node.js, MongoDB) | University of Texas at Austin | Jan 2026

Certifications

- AWS Certified Solutions Architect – Associate (SAA-C03) | March 2025
- AWS Certified Developer – Associate (DVA-C02) | March 2025
- DHS Certified Trusted Tester – Accessibility | Jan 2025

Experience

Freelance Backend Developer | Remote | Spring 2025

- Developed an automated data pipeline to extract earnings reconciliation data from SEC EDGAR filings using Python, BeautifulSoup, and Requests.
- Integrated OpenAI's GPT-4 API to analyze and convert financial data into structured CSV outputs for research.
- Optimized text processing with regex and HTML preprocessing, improving data extraction accuracy.

Web Development Intern | Clemson University | Fall 2024

- Built and maintained pages in Cascade CMS using PHP, ensuring accessibility and consistent design.
- Partnered with designers and content teams to create 10+ student-facing pages.
- Improved WCAG compliance using semantic HTML, ARIA roles, and integrated analytics.

Cloud & DevOps Projects

Good Driver Incentive Program (AWS Cloud-Based Rewards System**)**

- Developed a cloud-native rewards platform using AWS Lambda, API Gateway, Cognito, RDS (MySQL), SNS, and SES, enabling secure authentication and real-time transaction processing for 65 users.
- Investigated and resolved CloudFormation bootstrap stack failure that blocked Amplify deployment, restoring automated deployment pipeline functionality.
- Configured AWS RDS (MySQL) and optimized database queries for fast, real-time tracking of driver rewards and purchases. Monitored AWS Lambda performance with CloudWatch Logs and set up SNS notifications to alert users of account updates.

Donut Order System (Serverless & CI/CD DevOps Project**)**

- Built a fully serverless, event-driven donut ordering system using AWS services including API Gateway, Lambda, DynamoDB, EventBridge, Step Functions, and SES.
- Designed a Step Functions workflow to process orders, calculate wait times, generate receipts as PDFs, store them in S3, and send dynamic email confirmations using Amazon SES with pre-signed S3 URLs.
- Implemented a CI/CD pipeline using AWS CodePipeline, CodeBuild, and CodeDeploy to automate testing, accessibility checks, and deployment to a production environment.