

# NICHOLAS TRIMBLE

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## PROFESSIONAL SUMMARY

- Full-stack developer building data-driven web applications and AI-powered dashboards using Python and modern frameworks. Skilled in analyzing and visualizing complex data, integrating APIs, and delivering practical, production-ready solutions, with certifications in AWS Cloud Practitioner, CompTIA Project+, and ITIL Foundation.

## EDUCATION

<b>Western Governors University</b>	2024-2025
<i>B.S. in Software Engineering</i>	<i>Salt Lake City, Utah</i>
<b>Arkansas State University</b>	2008-2009, 2013-2014
<i>Associate of Arts</i>	<i>Heber Springs, Arkansas</i>

## CERTIFICATIONS

- AWS Cloud Practitioner • CompTIA Project+ • ITIL Foundation • [View Certificates on LinkedIn](#)

## PROJECTS

<b>Data Lux – AI-Powered Business Insight Assistant</b>	Python, SQLite, Streamlit, NLP, OpenAI GPT	<a href="#">Github Link</a>
• Built an AI-powered email analytics assistant that ingests data, classifies sentiment and type, and generates structured business insights.		
• Developed an interactive Streamlit dashboard to visualize trends, sentiment distribution, and recent feedback.		
• Implemented natural-language query support using OpenAI GPT, enabling real-time insights from plain English questions.		
• Created a modular, scalable SQLite database pipeline for both fake/demo emails and real data, preparing the system for production-ready deployment.		
<b>SkyPulse: Real-Time ISS and Weather Tracking</b>	Python, Flask, SQLite	<a href="#">Github Link</a>
• Built an automated ETL pipeline to pull live ISS location and weather data, flagging overhead/night-time conditions, and storing in SQLite.		
• Created an interactive Flask dashboard combining real-time ISS position, local weather, and an interactive star map for any location.		
• Scheduled continuous data collection every 10 minutes with robust error handling, and added user subscriptions with dynamic email notifications for ISS overhead passes.		
• Leveraged Python, Flask, and SQLite to deliver a fully functional, interactive astronomy tracking platform.		
<b>CodeCritical Fullstack Website</b>	Python, Flask, Render, Postgres/SQLite, HTML, CSS, JavaScript	<a href="#">Github Link</a>
• Built a full-stack Flask web app with database-backed blog management, enabling CRUD operations and dynamic content updates.		
• Implemented a responsive UI with dark mode, rotating featured games carousel, and interactive live Steam search via external APIs.		
• Integrated real-time search functionality using JavaScript and Flask routes to fetch live Steam data, enhancing engagement.		
• Deployed on Render with PostgreSQL fallback, ensuring secure and scalable hosting.		

## EXPERIENCE

<b>NDX Greens Dental – Dental Lab Technician</b>	2015 – Present
<i>Heber Springs, AR</i>	
• Managed workflow, trained and mentored new hires, ensuring consistent, high quality output.	
• Recognized for 10 years of perfect attendance and consistent leadership, and developed strong problem-solving and process-improvement mindset that is transferrable to software development.	

## TECHNICAL SKILLS

- **Languages:** Python, SQL, Java, JavaScript, HTML/CSS
- **Frameworks / Libraries:** Flask, Streamlit, pandas, Numpy, Matplotlib, Spring Boot, OpenAI GPT, NLP libraries
- **Tools:** Git, Docker, IntelliJ, VS Code, PyCharm, Figma
- **Concepts / Practices:** Object-Oriented Programming, Full-Stack Development, ETL pipelines, API integration, LLM/AI pipelines, Agile methodology, UI/UX design