

# NICHOLAS TRIMBLE

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## PROFESSIONAL SUMMARY

- Full-stack developer with experience building practical, data-driven web applications using Python and modern frameworks. Skilled in creating tools that improve workflows, integrate APIs, and visualize data. Certified in AWS Cloud Practitioner, CompTIA Project+, and ITIL Foundation. Strong problem-solving mindset and collaborative approach to software development.

## EDUCATION

### Western Governors University

*B.S. in Software Engineering*

2024-2025

*Salt Lake City, Utah*

### Arkansas State University

*Associate of Arts*

2008-2009, 2013-2014

*Heber Springs, Arkansas*

## CERTIFICATIONS

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

## PROJECTS

### [AutoBrief Smart Project Update Dashboard](#) | Python, Streamlit

[Github Link](#)

- Built a modular Python demo compiling simulated GitHub, Jira, and Slack updates into concise stakeholder summaries.
- Developed an interactive Streamlit dashboard for clear visualization of updates.
- Verified pipeline reliability with lightweight unit checks and ensured reproducibility.
- Deployed the dashboard on Streamlit Cloud for live demonstrations and stakeholder review.

### [CodeCritical Fullstack Website](#) | Python, Flask, Render, Postgres/SQLite, HTML, CSS, JavaScript

[Github Link](#)

- 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.

### [SkyPulse: Real-Time ISS and Weather Tracking](#) | Python, Flask, SQLite

[Github Link](#)

- Built an automated ETL pipeline to pull live ISS location data, add overhead/night-time flags, and store in SQLite.
- Created an interactive Flask dashboard combining ISS position with real-time weather data.
- Scheduled data collection every 10 minutes with error handling for API downtime.
- Added user subscriptions with dynamic email notifications when the ISS is overhead.

## EXPERIENCE

### NDX Greens Dental – Dental Lab Technician

2015 – Present

*Heber Springs, AR*

- 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
- Tools:** Git, Docker, IntelliJ, VS Code, PyCharm, Figma
- Concepts / Practices:** Object-Oriented Programming, Full-Stack Development, ETL pipelines, API integration, Agile methodology, UI/UX design