

NICHOLAS TRIMBLE

Software Engineer

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PROFESSIONAL SUMMARY

Software engineer with a passion for building practical and reliable applications. I enjoy turning ideas into working software, from a Python data pipeline dashboard to a Java-based travel app. My background includes 10 years as a Dental Lab Technician, a precision-driven role where I honed consistency, attention to detail, and problem-solving—qualities I now bring to coding every day. I am actively strengthening my Python and Java expertise and excited to contribute to a collaborative development team focused on creating high-quality software products.

TECHNICAL SKILLS

- Languages: Python, Java, JavaScript, HTML/CSS, SQL (Postgres)
- Frameworks and Tools: Angular, Spring Boot, Android Studio, Git, Docker, Figma, IntelliJ, VS Code, PyCharm, REST APIs, AWS
- Concepts: Object-Oriented Programming, Full-Stack Development, Agile, UI/UX Design
- Professional Development: Expanding proficiency in Python (100 Days of Python – Intermediate), strengthening Java expertise (Java Masterclass), exploring C fundamentals

EDUCATION

B.S. in Software Engineering
Western Governors University
📅 2024-2025

Associate in General Studies
Arkansas State University
📅 2014

🏆 **AWS Certified Cloud Practitioner**
2025

🏆 **ITIL Foundation Certificate in IT Service Management**
2025

🏆 **CompTIA Project+ Certification**
2025

EXPERIENCE

Data Pipeline and Analytics Dashboard **Python, pandas, Streamlit, SQLite, Git**

- Designed and implemented a full ETL pipeline: extracted CSVs, transformed with pandas, and loaded structured tables into SQLite for downstream analysis.
- Generated synthetic e-commerce datasets with Python and Faker to simulate realistic business scenarios for hands-on analytics practice.
- Built an interactive Streamlit dashboard to visualize KPIs and daily revenue trends, calculating metrics like total revenue, average order value, and unique users for actionable insights.

Vacation and Excursion Tracker App **Java, Android Studio, SQLite, Git**

- Developed a multi-screen Android app with Room persistence library for offline CRUD management of vacations and excursions.
- Implemented alerts for vacation/excursion dates and sharing via email, SMS, or clipboard, improving usability.
- Optimized performance using pagination, database indexing, and asynchronous operations for scalability and responsiveness.
- Hands-on experience in Android UI design, deployment, and APK signing.

TechNick's Builds Backend App **Java, Spring Boot, Spring Data JPA, Git**

- Developed a backend system for a PC parts shop: entities, repository interfaces, services, and REST controller to manage purchases, inventory, and validation.
- Added persistent sample data and implemented inventory validation (min/max thresholds) to ensure data integrity.
- Implemented full CRUD operations for in-house and outsourced parts, integrating a locally-hosted web interface with "Buy Now" buttons and detailed logs.
- Strengthened backend skills and problem-solving through a fully functional application.

NDX Greens Dental **Dental Lab Technician Level 3**

- Managed workflow and delegated tasks to trainees, ensuring high-quality output and meeting daily production goals.
- Trained and mentored new hires on precision dental lab techniques with hand tools and rotary instruments.
- Maintained perfect attendance for 10 years, consistently delivering accurate, precise, and timely work.
- Applied problem-solving and attention to detail to meet exact specifications for dental prosthetics, ensuring patient safety and satisfaction.