

---

# Ankit Rijal

Dallas, Texas | (817) 703-8670 | [ankitrijal2054@gmail.com](mailto:ankitrijal2054@gmail.com) | [LinkedIn](#)

## PROFILE

Experienced software developer adept in leading teams and maintaining applications across desktop, web, and mobile platforms. Proficient in C#, PostgreSQL, Python, React JS, and TypeScript. Strong expertise in database management, performance optimization, and supporting production systems. Committed to delivering high-quality software through Agile methodologies and solid principles. Results-oriented with a focus on driving performance, scalability, and user engagement.

## SKILLS & ABILITIES

**Programming Languages:** C#, Python, JavaScript, TypeScript, PowerShell

**Web Development:** ReactJS, NodeJS, HTML, CSS

**Database:** PostgreSQL, MongoDB, SQL

**Frameworks:** .NET, React Native

**Version Control:** Apache Subversion (SVN), Git

**Other:** Agile, Scrum, Jenkins, GitHub Action, Unit Testing, Software Development Lifecycle (SDLC), Data Structures and Algorithms, Solid Principles, Design Patterns

**Abilities:** Strong Communication and Collaboration, Continuous Learner, Adaptable, Attention to Detail, Productive, Proactive, Problem Solving and Troubleshooting

## PROFESSIONAL EXPERIENCE

### **SOFTWARE DEVELOPER | THE REYNOLDS AND REYNOLDS | Jan 2022 – July 2024**

- Led and collaborated on the development and maintenance of KeyTrak applications (Desktop, Web, Mobile) using PostgreSQL, C#, .Net, React, TypeScript, and React Native.
- Drove seamless feature rollouts through Agile practices and a robust CI/CD pipeline.
- Built RESTful APIs and applied SOLID principles for scalable, maintainable solutions.
- Ensured software reliability with Jest-based unit testing and efficient version control via Git.
- Boosted performance and reduced downtime by optimizing databases and resolving critical production issues.

**Tools and Technologies:** PostgreSQL, PowerShell, C#, .Net, React JS, TypeScript, React Native, Jest, pgAdmin, Tortoise SVN, Visual Studio, Visual Code, Phabricator, Jenkins, Slack, Git, Github Actions.

## NOTABLE WORK PROJECTS

### **SVN to GitHub Repository Migration**

- Successfully migrated SVN repository to GitHub, enhancing collaboration and version control.
- Utilized Git, GitHub, and custom scripts for efficient data migration.
- Overcome challenges related to repository history and data integrity, ensuring a seamless transition.

### **Build Process Migration to GitHub Actions**

- Successfully migrated build processes from Jenkins to GitHub Actions.
- Implemented efficient workflows to streamline builds, tests, and deployments.
- Improved deployment speed and reliability through automated GitHub Actions pipelines.

### **Database Update Automation**

- Developed a PowerShell script and console application to automate the database update process.
- Seamlessly integrated the automation solution with the CI/CD pipeline.
- Achieved improved efficiency and reliability in database updates, reducing manual intervention.

### **Motion Detection Integration**

- Implemented motion detection functionality in the security focused KeyTrak Guardian application.
- Leveraged the Accord.Net library for robust and accurate motion detection capabilities.

## PERSONAL PROJECTS

### **WEATHER APP**

**Technologies:** Python, Flask, OpenWeatherMap API

- Developed a Python-based weather app using Flask and integrated OpenWeatherMap API for real-time weather data.
- Utilized API calls for temperature, humidity, wind speed, and weather conditions.
- Implemented error handling and designed a user-friendly GUI with Tkinter.
- Conducted extensive testing for functionality and cross-platform compatibility.

## EDUCATION

MASTER'S IN ARTIFICIAL INTELLIGENCE, UNIVERSITY OF THE CUMBERLANDS, KY | CURRENT  
BACHELOR'S IN COMPUTER SCIENCE, EAST CENTRAL UNIVERSITY, ADA, OK

## COURSES

REACT - THE COMPLETE GUIDE (HOOKS, REACT ROUTER, REDUX), UDEMY  
BOOTCAMP, 100 DAYS OF CODE - PYTHON PRO BOOTCAMP, UDEMY