Ankit Rijal

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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 afocus 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, Flask
Version Control: Apache Subversion (SVN), Git
Other: Agile, Scrum, Jenkins, GitHub Action, Unit Testing, Software DevelopmentLifecycle (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, ReactJS, OpenWeatherMap API, Render

- Developed a fully responsive web application using Flask as the backend, with a ReactJS frontend for an interactive user experience.
- Integrated the OpenWeatherMap API for real-time weather data, including temperature, humidity, sunrise-sunset times, and other weather conditions.
- Conducted extensive testing for functionality and cross-platform compatibility.

PORTFOLIO WEBSITE

Technologies: ReactJS, Bootstrap, GitHub Pages

- Built a responsive, modern portfolio website with ReactJS and Bootstrap, showcasing projects and skills with a clean, user-friendly design.
- Deployed on GitHub Pages for easy access and continuous updates.

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