

# Rashed Alrashed

Software Engineer | Full-Stack Development | Database Optimization & CI/CD

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Location: Oklahoma City, OK

## Skill Summary

- **Backend:** C#, .NET, SQL, Java, Python, C++
- **Frontend:** TypeScript, JavaScript, React, Angular, Flutter/Dart, HTML, CSS/SCSS
- **Cloud & DevOps:** Azure DevOps, Google Cloud, Firebase
- **Tools & Other:** Git, Linux, CI/CD, Bootstrap, Ant Design, MacOS, Windows

## Experience

### Software Engineer

May 2022 – Feb 2025

*Oklahoma Blood Institute:*

Oklahoma City, OK

- Optimized and refactored database indexing, reducing query execution time from timeouts to near-instant performance
- Led full-stack development of BioLinked enterprise applications, integrating React Native, Angular, and C# APIs to enhance usability and scalability
- Designed and automated CI/CD pipelines in Azure DevOps, reducing deployment time and catching critical errors earlier in the development cycle
- Designed and implemented notification systems in React Native and Angular, streamlining critical alerts and improving real-time responsiveness
- Developed and implemented new features, enhancing system stability and increasing user engagement by integrating user-driven enhancements and optimizing core application
- Implemented TypeScript-based unit testing, helping in error detection and ensuring higher software reliability

### Junior Consultant / Front-End Developer

January 2022 – May 2022

*Rural Sourcing Inc:*

Oklahoma City, OK

- Developed web applications using ReactJS, and Ant Design, including UI/UX design using Figma
- Collaborated in Agile teams, implementing search functionality, fixing bugs, and enhancing system performance

### Software Engineer Intern

May 2021 – January 2022

*Novaware Inc:*

Oklahoma City, OK

- Built web applications using JavaScript, Firebase, and Bootstrap
- Worked in an Agile environment, contributing to the full development cycle

## Computer Science Ambassador / Research Assistant

January 2017 – August 2020

University of Central Oklahoma:

Edmond, OK

- Designed and taught Python-based programming lessons for educational research projects
- Conducted data analysis with SPSS, presenting findings at national conferences

## Projects

### Cat Feeder IoT Device

Fall 2020

- Developed a sophisticated cat-feeding system utilizing a Raspberry Pi device programmed with Python
- Designed a user-friendly interface with a responsive website using JavaScript and a mobile application built with Flutter, providing seamless controls for users
- Implemented real-time video streaming functionality, allowing users to monitor their pets remotely

### Voice Desktop Controller

Spring 2020

- Developed a desktop application enabling voice-command control of system functions, utilizing speech recognition and multi-threading for real-time execution
- Designed and implemented the voice controller module, ensuring seamless integration with system APIs
- Contributed to an open-source project (Apache 2.0 Licensed) on GitHub, collaborating with the V2C Development Team in a microservice-like architecture

## Education

### University of Central Oklahoma

Edmond, OK

Bachelor of Science in Computer Science

Fall 2016 – Fall 2020

### Trine University (*in progress*)

Angola, IN

Masters of Science in Engineering Management (*Expected Spring 2026*)

Spring 2024 – Spring 2026