Rashed Alrashed

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

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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

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

- A desktop application that takes voice commands to control a desktop, uses speech recognition and multi-threading.

Education

University of Central Oklahoma   Edmond, OK

Bachelor of Science in Computer Science   Fall 2016 – Fall 2020

Trine University *(in progress)*   Angola, IN (Online Program)

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

Spring 2024 – Spring 2026