

Munish Tanwar

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EDUCATION

University of Florida, Gainesville, FL

Master of Science - *Computer Science* | GPA: 3.83/4.0

Dec. 2023

Bachelor of Science - *Computer Science, Minor - Mathematics*

May 2022

SKILLS

Languages: Python, JavaScript, TypeScript, Java, SQL, C++, Go, HTML, CSS

Frameworks/Tools: React, Node.js, React Native, MongoDB, MySQL, Amazon Web Service (AWS), Microsoft Azure, Docker, Cloud Firestore, Git, TensorFlow

Certificate: AWS Certified Cloud Practitioner

WORK EXPERIENCE

Software Engineering Intern - Exactech, Gainesville, FL

May 2023-Dec. 2023

- Collaborated in the development of a new case and inventory management application using React Native, Node.js, MySQL, and Microsoft Azure, contributing to a 20% increase in sales rep workflow efficiency compared to the legacy system and recovering \$3.4M in lost inventory
- Secured the application by implementing user authentication and validation via Azure Active Directory
- Designed and integrated a Face ID login feature, improving user satisfaction for mobile users
- Implemented an optimized search functionality on the backend, resulting in a 15% reduction in search result time and enabling efficient resource querying
- Streamlined CRUD operations logic for orders, cases, and surgeries, leading to improved code maintainability and a streamlined development process
- Strengthened the application's security posture and streamlined user management by developing hierarchical role-based access control (RBAC) on the backend
- Engineered a user-friendly front-end user management component, empowering sales rep managers to efficiently add and remove team members, streamlining team administration, and enhancing collaboration
- Conducted UI and performance bug fixes based on user testing and feedback, leading to substantial improvements in user experience and system performance

PROJECTS

Gator Sublease - Student Apartment Sublease Web App.

Jan. 2022-May 2022

- Designed and implemented a React, Go with Gin Framework, and MongoDB-based subleasing web app enabling users to manage sublease posts efficiently
- Led a team of four through the planning, design, and development phases, ensuring a cohesive and streamlined workflow
- Engineered robust backend logic for user and lease management, incorporating JWT for enhanced authentication
- Developed an optimized MongoDB schema for users and leases, improving data storage and retrieval efficiency
- Conducted thorough unit testing for the Golang backend and authored clear REST API documentation for seamless integration

Fantasy Finance - Paper Trading Web App.

Aug. 2021-Dec. 2021

- Developed a paper trading web application for users to join a league where they can trade stocks and compete with other users
- Collaborated with a team of five to build the project using ReactJS, Node.js with Express, and Firestore database
- Implemented buy/sell logic using the IEX API, enabling users to make stock transactions based on real-time market values