Roshan Subedi

Albuquerque, NM, 87106

📞 +15058188952 ✉️ roshansbd8@gmail.com 🔗 linkedin.com/in/roshansbd 🐙 github.com/Rawson08 🌐 www.roshansubedi.me

Summary

Software Engineer adept in full-stack application development and IT operations support. Experienced with JavaScript, Angular, and a strong foundation in SQL and database management. Developed a personal expense management application with secure cloud features and enhanced team productivity by managing IT operations in an academic setting. Eager to apply programming expertise to innovate and streamline feature development in a collaborative environment.

Education

University of New Mexico   **Aug 2021 - May 2025**
Bachelor of Science, Computer Science, Mathematics   *Albuquerque, NM*
- **Achievements:** Cumulative GPA: 3.50/4.00
- **Coursework:** Data Structures & Algorithms, Software Engineering, Database Management (SQL, NoSQL), Operating Systems, Design of Large Programs, Java, C, Python, Assembly, Haskell, VHDL

Work Experience

Personal Projects   **Aug 2021 - Present**
Software Engineer   *Albuquerque, NM*
- Developed a personal expense management application using JavaScript, Angular, and NodeJS, incorporating key features like data visualization, user authentication, and cloud storage.
- Designed and implemented database schemas using SQL, optimizing data storage for the expense manager, and explored NoSQL databases to enhance application scalability.
- Created intuitive front-end interfaces using HTML, CSS, and JavaScript to enhance user experience and ease of use for the application.
- Followed agile development principles to iteratively improve the expense manager, incorporating feedback for better usability and performance.
- Implemented security measures, such as data encryption for user financial data, to ensure privacy and compliance with best practices.

Information Technology Classroom Academics (UNM)   **Feb 2022 - Present**
Annex Supervisor   *Albuquerque, NM*
- Supervised daily IT operations, provided technical support for classroom technologies, and maintained stakeholder relationships, enhancing operational efficiency.
- Managed the SCONS team by providing task support, ensuring policy adherence, and fostering a positive work environment, leading to increased team productivity.
- Led the team effectively by adapting to additional responsibilities, boosting team performance and morale.
- Addressed inquiries and complaints professionally, improving customer satisfaction and reinforcing client relationships.

Projects

Expense Manager
- Created a web-based application to manage expenses allowing users to add expenses in group of people and share the cost between the group.
- Functionality of receipt scanning to autofill item list, cost, and people to share with.

Bomb Lab
- Defused a 'bomb' by implementing and optimizing code in C and Assembly language.
- Explored computer architecture principles and gained insights into system-level optimization techniques.

Auction House
- Led a team of 3 to develop auction management system, allowing clients to participate in auctions through a server-based platform.
- Handled creation, listing, bidding, and closure process ensuring smooth operations from both sides.

Skills

- **Database & Programming Languages:** Java, JavaScript, Python, R, Scheme, Haskell, MATLAB, SQL, MongoDB, NoSQL, C, C++, C#
- **Software Tools:** IntelliJ, C Lion, VSC, Excel, Google Sheets, Cherwell Ticketing System, Windows, MacOS, Linux, Unix, Photoshop, Audacity, OBS, Premiere Pro, Git
- **Frameworks & Libraries:** React, Angular
- **Development & Deployment:** RESTful APIs, CI/CD pipelines
- **Communication & Interpersonal:** Strong Problem-solver, Teamwork, Effective Communicator, Time management, Critical-thinker, Decision-maker

Certifications

- **International Amigo Scholarship**: Awarded the International Amigo Scholarship for maintaining a GPA of 3.0+, providing in-state tuition benefits.
- **Dean's List, School of Engineering**: Consistently recognized on the Dean's List for maintaining a GPA of 3.5+ across multiple semesters (Fall 2021, Fall 2022, Spring 2024).
- **SoE - Student Success Scholarship**: Awarded the $1,000 Student Success Scholarship for outstanding academic performance and maintaining a high GPA in the School of Engineering.