Jacob Montenegro

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Software Developer

Experienced software developer skilled in designing and implementing robust software solutions. Proficient in various programming languages and frameworks, with a focus on creating efficient and scalable applications. Known for delivering high-quality code and innovative solutions that meet project requirements and exceed client expectations.

Key Skills

- **TypeScript:** Proficient in TypeScript, a statically typed superset of JavaScript.
- **Java:** Strong knowledge of Java programming language.
- **Spring Boot:** Practiced with Spring Boot for building robust back-end applications.
- **Angular (13-16):** Proficiency with Angular versions 13 through 16 for front-end development.
- **Next.js:** Experience with React-based framework, Next.js
- **Python:** Proficient in Python.
- **C and C++:** Experienced in both C and C++.

Experience

General Motors, Austin, Texas   **July 2021 – February 2024**
Software Developer
- Conducted in-depth research and developed solutions for a synthetic image generation team.
- Produced lifelike data to enhance AI computer vision models.
- Researched, designed, and implemented diagnostic solutions for vehicle defects.
- Leveraged a Spring Boot backend to create RESTful APIs.
- Developed a dynamic Angular (TypeScript) frontend for user interaction.
- Utilized PostgreSQL databases for data storage and retrieval.

Leadership

Manufacturing Leadership Awards   **2023**
General Motors
- Manufacturing in 2030 Award Winners.
- Enterprise Integration and Technology.

Education

Bachelor of Science in Computer Science with a Minor in Mathematics
The University of Texas at El Paso (UTEP)