

Aaron Murillo

Software Engineer (Active Clearance)

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PROFESSIONAL SUMMARY

I'm a versatile software engineer with expertise in various programming languages and an active secret clearance, dedicated to delivering high-quality software products. I prioritize continuous learning and innovation, with a track record in full-stack development and architecting scalable solutions. Recognized for collaborative teamwork, agile proficiency, and a passion for solving complex technical challenges to improve user experiences.

CORE QUALIFICATIONS

- Software Development:** Proficient in software solution design, development, and deployment using various programming languages. Demonstrates excellence in software engineering practices, agile methods, and object-oriented design to produce scalable, maintainable code.
- Problem-solving and Analytical Skills:** Highly adept at addressing complex challenges with strong analytical and problem-solving abilities. Efficient in troubleshooting technical issues, innovating solutions, and optimizing system performance through data-driven decisions.
- Team Collaboration and Communication:** Outstanding team collaborator with effective communication skills. Skilled in working with cross-functional teams, clarifying project requirements, and conveying technical information to diverse audiences for seamless project execution and success.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, HTML5, CSS3, Python, SQL, C, C++, C#

Frameworks/Libraries: React.js, Redux, Node.js, Express.js, Django, Next.js, Bootstrap

Databases: PostgreSQL, MySQL, MongoDB, Firebase

Tools & Methodologies/UI/UX: Git, GitHub, Postman, Jest, Docker, REST APIs, OpenAI, Agile, Scrum, Balsamiq, Adobe XD, Red Hat

EDUCATION & CERTIFICATIONS

Computer Science

Western Governors University

Enrolled

Business Administration - Associate Degree

Central New Mexico Community College, Albuquerque, NM

2023

Certificate of Completion, Deep Dive Coding Full Stack Web Development Bootcamp

CNM Ingenuity, Link to the Certification: certifications.cnm.edu/certificate

2022

WORK EXPERIENCE

MILVETS Systems Technology, Inc., Albuquerque, NM

Software Engineer Mid-Level

Feb 2024 - Present

- Utilize C++, C#, Python, and Red Hat to engineer, develop, document, test, and troubleshoot software applications and systems featuring logical and mathematical solutions.
- Collaborate with USAF Distributed Mission Operations Center (DMOC) at Kirtland AFB, NM, and multidisciplinary teams to plan, design, and develop electronic data processing systems for product and commercial software.
- Analyze computer user needs and system capabilities to resolve program intent, output requirements, input data acquisition, and programming technique issues.
- Ensure compliance with software standards while crafting operational guidelines, architecting compilers, assemblers, utility programs, and operating systems, employing SBM methodologies.

Technology Solutions Labs, Albuquerque, NM

Full Stack Developer (Contract)

Jan 2023 - Jun 2023

- Spearheaded customer-focused innovations using React and Node.js, yielding a 15% boost in conversion rates during online checkout processes.
- Developed responsive and modern UI interfaces employing React and Next.js, significantly enhancing website and application accessibility, and aligning with current user experience trends.
- Achieved a remarkable 40% decrease in load times by optimizing MongoDB and PostgreSQL databases, leading to substantial improvements in system performance.
- Orchestrated and deployed continuous integration and continuous deployment pipelines using Jenkins, Docker, and Kubernetes, transforming testing processes and reducing deployment times from hours to minutes.
- Led the implementation of comprehensive integration and unit tests using Python, Selenium, and Jest, accelerating the delivery of new features by 25% through efficient QA automation.

Deep Dive Coding, Albuquerque, NM

Full Stack Web Developer

Oct 2022 - Dec 2022

- Developed Node.js and Express REST APIs to enhance data presentation and streamline management processes, leading to notably improved application performance efficiency.
- Implemented advanced JavaScript/TypeScript debugging techniques within Docker environments, significantly boosting software development efficiency and streamlining debugging processes.
- Successfully architected and deployed an e-learning platform using the PERN stack (PostgreSQL, Express, React, Node.js), creating a scalable solution for course content management and interactive user engagement.
- Expertly developed full-stack web applications, leveraging a diverse array of technologies, libraries, and frameworks, to deliver feature-rich solutions tailored to user requirements and business objectives.
- Focused on creating responsive, user-friendly interfaces and interactive features, enhancing the overall user experience, and meeting modern web standards.

Frontend Developer (Freelance), Remote, US

Frontend Simplified

Apr 2021 - Oct 2022

- Enhanced client website performance by implementing lazy loading for images, code splitting, and JavaScript optimization, leading to faster and more efficient web experiences.
- Achieved a significant 30% reduction in average page load times, contributing to substantial improvements in overall site performance metrics.
- Optimized front-end performance for 10 client websites, utilizing a tech stack comprising Firebase, React.js, Redux.js, JavaScript, HTML, CSS, and Bootstrap, enhancing user experience and interface efficiency.
- Employed PostgreSQL for data management, playing a key role in improving page load times and overall website performance.
- Specialized in crafting responsive and interactive web designs, using the latest front-end technologies to create engaging and user-centric web experiences.

Military Police (Part Time: one weekend a month), Albuquerque, NM

New Mexico Army National Guard

Apr 2019 - Present

- Engaged in vital security operations and enforcement during key federal missions such as Operation Allies Welcome and COVID-19 support, receiving the Army Achievement Medal for training excellence.
- Performed essential duties as a Military Police Soldier, including security checks, activity investigations, crowd control, and interagency collaboration, gaining proficiency in law enforcement tactics and security equipment handling.

WEB/APPLICATION PROJECTS

[Companion.ai](#) | [GitHub Repository](#)

Aug 2023

- Developed a sophisticated Next.js web application, incorporating HTML, CSS, TypeScript, and React.js, enhanced by Tailwind CSS for contemporary styling.
- Crafted and integrated CRUD routes, enabling efficient database access and component relationships. Implemented Stripe for subscription services, while maintaining organized, reusable layouts in line with Next.js best practices.
- Utilized OpenAI for the dynamic generation of media content, including images and interactive conversations. Integrated user authentication using Clerk, supporting a variety of login methods to enhance user accessibility and security.

[QR Code Digital Menu Builder](#) | [GitHub Repository: Front-End, Back-End](#)

Jul 2023

- Pioneered a Python and Django-based digital menu system, innovatively addressing pandemic-related challenges while offering sustainable business benefits.
- Adapted the system for location-specific needs, enabling customized menu creation for various venues.
- Merged advanced backend capabilities with cutting-edge frontend design to deliver a seamless and intuitive user experience.

[Dog Park \(Social Media Website for Dog Owners\)](#) | [GitHub Repository](#)

Nov 2022

- Employed Docker for the efficient containerization of the website, ensuring streamlined deployment with the PERN stack (PostgreSQL, Express, React, Node.js).
- Designed and implemented 6 core entities on the backend (profile, post, park, comment, follow, likes) to structure the website's functionality.
- Integrated React.js and Redux for a robust connection between the backend and front end, facilitating an interactive and user-friendly social media environment.

SKILLS

Project Management | Best Practices and Standards | Usability Testing | Programming Languages | Software Solutions | Software Engineering & Development | Data Science | Object-Oriented Programming | Development Standards | User Experience | Debugging | Frontend & Backend Development | Scalability | Cloud Computing | Version Control | API Development | Agile Methodologies