Aaron Murillo

Software Engineer (Active Security Clearance)

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GitHub | Portfolio

PROFESSIONAL STATEMENT

Experienced Software Engineer with a strong analytical background skilled in application development, coding, user experience and interface (UX/UI) design, troubleshooting and software development. Proficient in problem analysis, technical solution creation and effective collaboration with stakeholders. Dedicated to fostering ongoing enhancements in software applications and streamlining company processes to maximize efficiency.

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

PROFESSIONAL EXPERIENCE

MILVETS Systems Technology Inc., *Albuquerque, NM*   **February 2024 - Current**
Software Engineer Mid-level
- Engineer, develop, document, test and troubleshoot software applications and systems using C++, C#, Python and Red Hat.
- Execute end-to-end software development life cycle (SDLC) tactics by participating in sprint planning, product requirements, sprint reviews, demo sessions and retrospectives using Agile frameworks such as Scrum and SAFe.
- Triage system issues and debug, track and resolve issues by analyzing the sources and impact on hardware, network or service operations and quality.
- Collaborate with the USAF Distributed Mission Operations Center (DMOC) at Kirtland AFB, NM, and multidisciplinary teams to plan, design and develop electronic data processing systems for both product and commercial software.
- Analyze computer user needs and system capabilities to determine program intent, output requirements, input data acquisition and programming techniques.
- Develop operational guidelines and design compilers, assemblers, utility programs and operating systems (OS), ensuring compliance with software standards and utilizing software build management (SBM) methodologies.

Technology Solutions Labs, *Albuquerque, NM*   **January 2023 - June 2023**
Full Stack Developer (Contract)
- Pioneered customer-centric innovations leveraging React and Node.js, resulting in a 15% increase in conversion rates during online checkout processes.
- Crafted responsive and contemporary UIs utilizing React and Next.js, significantly enhancing website and application accessibility while staying aligned with current user experience trends.
- Reduced load times by 40% through the optimization of MongoDB and PostgreSQL databases, leading to substantial enhancements in system performance.
- Contributed to the architecture and design of new and current systems and implemented applications in alignment with security, reliability and scalability protocols.
- Orchestrated and deployed continuous integration and continuous deployment (CI/CD) pipelines utilizing Jenkins, Docker and Kubernetes, revolutionizing testing processes and slashing deployment times from hours to minutes.
- Spearheaded the implementation of comprehensive integration and unit tests using Python, Selenium and Jest, expediting the delivery of new features by 25% through efficient quality assurance (QA) automation.

Deep Dive Coding, *Albuquerque, NM*   **October 2022 - December 2022**
Full Stack Web Developer
- Developed web applications facilitating system connectivity, automating tasks, monitoring performance, integrating information and generating insights to inform strategic decision-making.
- Developed Node.js and Express REST APIs to optimize data presentation and streamline management workflows, resulting in significantly enhanced application performance.
- Employed advanced JavaScript/TypeScript debugging methodologies within Docker environments, improving software development efficiency and simplifying debugging procedures.
- Developed and deployed an e-learning platform using the PERN stack (PostgreSQL, Express, React, Node.js), establishing a scalable solution for managing course content and fostering interactive user engagement.

- Demonstrated expertise in crafting full-stack web applications, leveraging a diverse range of technologies, libraries and frameworks to deliver feature-rich solutions tailored to user needs and business objectives.
- Created responsive, user-friendly UIs and interactive functionalities to elevate the overall user experience and adhere to modern web standards.

Freelance, *Remote, US*   **April 2021 - October 2022**
Frontend Developer
- Enhanced client website performance through the implementation of lazy loading for images, code splitting and JavaScript optimization, resulting in accelerated and more streamlined web experiences.
- Decreased average page load times by 30%, contributing significantly to overall site performance enhancements.
- Optimized front-end performance across 10 client websites by leveraging a tech stack consisting of Firebase, React.js, Redux.js, JavaScript, HTML, CSS and Bootstrap, augmenting UX/UI.
- Utilized PostgreSQL for effective data management, enhancing page load times and overall website performance.

New Mexico Army National Guard, *Albuquerque, NM*   **April 2019 - Current**
Military Police (Part Time: one weekend a month)
- Play a critical role in security operations and enforcement for key federal missions such as Operation Allies Welcome and COVID-19 support, earning the Army Achievement Medal for outstanding training performance.
- Lead security checks, activity investigations and crowd control in collaboration with interagency partners, acquiring expertise in law enforcement tactics and security equipment management.

EDUCATION

Bachelor of Science, Computer Science, *Western Governors University*   **In Progress**
Associate of Applied Science, Business Administration, *Central New Mexico Community College*   **2023**

CERTIFICATIONS

Certificate of Completion, Deep Dive Coding Full Stack Web Development Bootcamp CNM Ingenuity   **2022**
Link to the Certification: certifications.cnm.edu/certificate

WEB/APPLICATION PROJECTS

Companion.ai | GitHub Repository   **August 2023**
- Created a robust Next.js web application with HTML, CSS, TypeScript and React.js, styled using Tailwind CSS. Implemented CRUD routes for efficient database operations and Stripe for subscriptions. Utilized OpenAI for dynamic media content generation and Clerk for user authentication with various login methods, prioritizing accessibility and security.

QR Code Digital Menu Builder | GitHub Repository: Front-End, Back-End   **July 2023**
- Pioneered a Python and Django digital menu system, creatively addressing pandemic challenges with sustainable business benefits. Customized the system for location-specific needs, allowing tailored menu creation for diverse venues. Integrated advanced backend features with modern frontend design for a seamless user experience.

Dog Park (Social Media Website for Dog Owners) | GitHub Repository   **November 2022**
- Employed Docker for streamlined website containerization with the PERN stack (PostgreSQL, Express, React, Node.js). Implemented 6 core backend entities (profile, post, park, comment, follow, likes) to organize website functionality. Integrated React.js and Redux for enhanced backend-to-frontend connectivity, fostering an interactive social media environment.

CORE COMPETENCIES

Docker Containerization | Automated Pipeline Testing |Open Architecture Solutions |Agile/DevSecOps | High Performance Computing | Software Life Cycle Development | 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