Samuel Diaz

🏠 San Diego, CA | ✉ samdiaz1100@gmail.com | 📞 (619) 850-3081

👤 Website | in LinkedIn | ⭘ GitHub | _Credly_ Credly

PROFESSIONAL EXPERIENCE

Programs Management Analytics and Technologies (PMAT), Inc., San Diego, Ca [Hybrid]   May 2023 - Present
Software Engineer – Ship Self Defense System (SSDS)
- Engineered advanced software solutions for DoD naval platforms, with a focus on the Ship Self Defense System (SSDS).
- Key contributor in a team, delivering three major software releases with a 95% on-time delivery rate across all projects.
- Adapted to new technologies under tight deadlines to meet PMAT's evolving needs, reducing development time by 15%.
- Identified, documented, troubleshoot, and resolved 15+ intricate bugs, significantly improving system performance.
- Managed 15+ complex code merges and ensured quality through rigorous testing, achieving a 95% conflict resolution rate.

TECHNICAL SKILLS

Languages: Python, Java, C++, R, HTML, CSS, JavaScript, SQL, SAS
Libraries/Frameworks: requests, scikit-learn, nltk, mysql-connector/J, JavaFX, jQuery, Ajax, Angular, XML, JSON, APIs, DOM
Software Tools: Linux, Git, Jira, Docker, Agile/SCRUM, Jenkins (CI/CD), AWS (EC2, S3, Redshift, Lambda), Tableau
Cybersecurity: Network design, VPN/Firewall config, IDS/IPS, SIEM, Ethical Hacking

EDUCATION

Master of Science (MS), Information Systems – San Diego State University, *San Diego, CA*   (Expected) 2026
Bachelor of Science (BS), Computer Science – Western Governors University, *Salt Lake City, UT*   2024
Bachelor of Science in Business Administration (BSBA), Information Systems – San Diego State University, *San Diego, CA*   2022

CERTIFICATIONS

Data Science Advanced Certificate – *San Diego State University*   (Expected) 2025
AWS Academy: Cloud Foundations, Cloud Security Foundations, Cloud Operations – *Amazon Web Services*   2024
Linux Essentials – *Linux Professional Institute*   2024
CompTIA Security+ – *Computing Technology Industry Association*   2024

PROJECTS

Package Delivery Algorithm – Combinatorial Optimization
- Designed a system using the nearest neighbor algorithm for route optimization.
- Implemented a hash table for efficient package management, ensuring timely deliveries and system scalability.

Relevant Skills: Greedy Algorithms, Time Complexity, Python, CSV file extraction, Data Structures, Algorithm Design, Scalability

Cloud Hosted Personal Website (samueldiaz.tech) – Cloud Computing & Security
- Designed, developed, and deployed a personal website using AWS services while maintaining cost efficiency.
- Implemented security best practices, including IAM roles, encryption, CloudTrail logging, and data lifecycle management.

Relevant Skills: AWS (S3, IAM, Route 53, CloudTrail, KMS), Cloud Security, Static Website Hosting, Cost Optimization, IaaS, Data Encryption, Logging & Monitoring, Web Development (HTML, CSS, JavaScript)

Appointment Scheduler – Data Management Systems
- Managed customers and appointments through an interactive UI that connects to the business database.
- Implemented exception controls, time zone adjustments, and activity tracking; generated detailed reports.

Relevant Skills: Full Stack Development, XML, UI/UX design, Java, JavaFX, MySQL, SQL queries, stored procedures, mysql-connector/J