Alejandro Santos

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PROFESSIONAL EXPERIENCE

Electrical Engineer II   Nov. 2022 – Present
General Dynamics Electric Boat   Groton, CT
- Manage a team of engineers as Integrated Product Team Lead, providing technical leadership to support and perform design engineering of complex electrical components and systems used in the propulsion plant of submarines
- Communicate and progress updates with stakeholders about accomplishing goals and deliverables of embedded systems and software updates installed in VIRGINIA Class submarines
- Accomplished manual, automated, and regression testing of software for qualification and delivery for existing and future systems such as reactor plant instrumentation and controls, steam plant control & indication systems, and electric plant
- Defined and managed system, hardware, interface, and software requirements for various projects using DOORS functional requirement documents.
- Prepared submittal letters, transmittal enclosures, white papers, operational procedures for complex systems and software

Junior Software Engineer   May 2022 – Nov. 2022
Quest Global   Windsor, CT
- Accomplished design and development support within the life cycle of web applications for stakeholders
- Analyzed customer requirements and translated them into functionalities with other software developers
- Developed web applications using C#, .NET Framework, and VBA for stakeholders
- Managed databases with SQL, utilizing queries, stored procedures, using SQL Server Management Studio
- Provided solutions for application issues and tickets for front-end, back-end, and databases, ensuring integrity of all code and data

PROJECTS & RELATED EXPERIENCE

Library Management System   Jan. – May 2022
- **Description:** Library database system, allowing users to sign in, browse, and rent from a of different medias, along with ability to utilize other tools and functionalities.
- Utilized strategic software engineering and project management procedures and principals by documenting and developing software components
- Designed and executed management tools using HTML, JavaScript, and CSS.
- Worked on and developed the backend of system using C# and SQL for databases

CORE COMPETENCIES & SKILLS

- **Technical Skills:** Rational DOORS, SSMS, Quality control and assurance, software and systems testing, technical writing, databases, project management, Jira, Microsoft Office
- **Programming Languages**: Python, SQL, JavaScript, HTML, C#, VBA
- **Frameworks:** Bootstrap, jQuery, ReactJS, .NET, Selenium
- **Trainings & Certifications:** Active DOD Security Clearance, Level Secret

EDUCATION

Eastern Connecticut State University   Aug. 2018 - May 2022
Bachelor of Science, Computer Science
- **Relevant Coursework:** Software Engineering, Database & Info Management, Networking & Distributed Computing, Data Structures, Computer Organization & Architecture, Advanced Web Development & Scraping