**Richard Beredo** Active Secret Clearance

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https://beredorich.github.io/portfolio/

**EDUCATION**

**Bachelor of Science, Electrical Engineering** *August 2015 – May 2020*

**Embry-Riddle Aeronautical University**, Daytona Beach, FL

**EXPERIENCE**

**Software Engineer** | Onyx Defense | ManTech *January 2022-Present*

* Created, designed, and deployed patch management Website using MERN stack (MongoDB, Express, React Typescript, Node) to modernize team processes and maintain serverless databases.
* Designed custom end user interface components using React Redux and Material UI.
* Designed, implemented, and maintained RESTful APIs using Node JS and Java Spring boot, ensuring seamless communication between server, Mongo database and client systems.
* Led sprint and code reviews in agile development processes using Azure services, ensuring timely feedback, identifying areas for improvement, and fostering a collaborative team environment.
* Implemented automation web tools utilizing the MERN stack to enhance team workflow and efficiency, with successful deployment on Azure Cloud.
* Spearheaded testing of full-stack applications within Docker containers and virtual machines, ensuring seamless integration, scalability, and adherence to project specifications.
* Automated Installs of Quarterly Patches using PowerShell and Python Scripting.
* Provided the essential software support for the Tactical network components including the configuration of the hardware devices, virtual machines, and testing new software.

**Information Network Engineer Officer** | US Army Reserve *May 2020 – Present*

* Deployed Battalion radio network for field environments including antennas and radios.
* Advised the Battalion Commander regarding all matters concerning communications and IT.

**Software and Radio Frequency Engineer** | CACI *January 2021 – January 2022*

* Interpreted parametric data and descriptions of both mechanical, electronic, and radio frequency capabilities of foreign and domestic RADAR systems to support on-going update of the US Army Apache helicopter RADAR Early Warning System.
* Programed 20+ radar simulations in a custom-made MATLAB/C++ based language (Simulation Modeling Framework) to support 8+ regional needs for the Apache Early Warning System.
* Generated 50+ Engineering reports of RADAR simulation builds to catalog engineering decisions.
* Developed test plans under strict customer requirements, executed testing to support all test phases, perform test analysis, troubleshoot errors, develop test reports for 6 Apache system.

**Electrical** **Engineer** | Eco Car, Internship *August 2019 - May 2020*

* Administered scrum process, including sprint planning and reviews, to develop Autonomous car for annual competition under strict budget and customer deliverables.
* Improved signal processing algorithm, using MATLAB, to improve radar testing.

**SKILLS/CERTS**

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| Security + | React JS | Typescript | MongoDB | Express JS |
| Node JS | Azure Cloud | Java | PowerShell | Docker |