

Hello, my name is Evan Mark Hopkins.

I played a pivotal role developing software within the United States Marine Corps, delivering industry-standard solutions across the organization. That work eventually brought me to the Pentagon, where I continued building bespoke, high-impact products from the ground up. Whether in the field or at HQ, success meant collaborating closely with stakeholders, organizing and documenting development processes, conducting ongoing user and unit testing, and embedding myself in each distinct problem space.

Experience

2023

Open Source Contributor

Naga: Universal shader translation in Rust

Contributed substantially to a project used by WGPU to bring hardware accelerated graphics to Rust and Firefox. Implemented functions defined within the WGSL specification, translated shaders to and from IR, and polyfilled missing or incompatible functionality across platforms.

2021 - 2022

Digital Service Expert (Engineer/Detailee)

Defense Digital Service

Worked with DDS to develop a temporary duty assignment for service members with technical backgrounds while developing software used in the evacuation of Afghanistan. Authored frontend changes in React to accommodate new endpoints, implemented dashboards to allow administrative access, provided unit testing, and documented the development process.

2021

Lead Frontend Developer

Inaugural Micro-Application Development Innovation Challenge

Won first place in The Marine Corps' inaugural micro-application challenge. Co-developed a progressive web application using React, Python, and CircleCI. Made substantial contributions to user interfaces, design systems, testing, and continuous integration. Demonstrated The Marine Corps' ability to develop quality software in-house.

2017 - 2022

Aviation RADAR Technician

United States Marine Corps

Installed, operated, and conducted preventative and corrective maintenance of the AN/TPS-59 and AN/TPS-80 RADAR systems, including their associated fiber optic cables, switched local area networks/devices, end-user computers, servers, and system software/firmware. Worked closely with Northrop Grumman to certify, field, and test the AN/TPS-80 G/ATOR RADAR system.

Expertise

JavaScript has been my jam since 2005. Whether your stack leans on Bun, React, TanStack, or something entirely different, I'm ready to contribute from day one.