

Cybersecurity research for systems *that can't stop.*

GoMain EV, Inc. is a HUBZone-certified small business in Newport, Washington that researches and builds memory-safe security software for long-lived infrastructure, embedded systems and sensitive data, and develops secure custom software. We are preparing SBIR and STTR proposals and are available for HUBZone set-aside, sole-source and subcontract work.

CORE COMPETENCIES

- * **Infrastructure resilience assessment.** Year 2038 / 32-bit time-overflow risk discovery across operating systems, firmware, binaries and dependencies, with evidence and a confidence level for every asset (EpochGuard).
- * **Applied cryptography.** Human-usable keys with exactly measured strength; authenticated encryption on Argon2id and XChaCha20-Poly1305.
- * **Sensitive-data protection.** Detection and redaction or keyed pseudonymization of credentials, tokens and personal data, on-premises or in the browser.
- * **Secure systems software.** Rust virtualization and isolation with an auditable, WebAssembly-portable policy core.
- * **Secure custom software.** Web, desktop and mobile applications and APIs, designed and built in-house.

DIFFERENTIATORS

- * **Memory-safe engineering.** New code in Rust, in line with federal guidance to adopt memory-safe languages.
- * **Explainable results.** Findings carry their evidence and confidence; unknown is never reported as safe.
- * **Offline and portable.** No telemetry; the same engines run natively and in WebAssembly sandboxes, including disconnected environments.
- * **HUBZone advantage.** Awards count toward agency HUBZone goals; eligible for set-asides, sole-source awards and the 10% price evaluation preference.

RECORD

- * Working Rust implementations in time-overflow auditing, cryptography, data protection and isolation.
- * Production software shipped on the Mac App Store and public web data services (AlvSI.org).

COMPANY DATA

LEGAL NAME

GoMain EV, Inc.

CAGE CODE

7WKF5

SBA CERTIFICATION

HUBZone, since March 1, 2021

SELF-CERTIFIED

Small Disadvantaged Business
Labor Surplus Area firm

ENTITY

For-profit corporation, est. 2015

LOCATION

Newport, WA · Pend Oreille County
Congressional district WA-05

NAICS (SMALL UNDER EACH)

541511 Custom Computer Programming
541519 Other Computer Related Services
541519 IT Value Added Resellers
541690 Scientific & Technical Consulting
513210 Software Publishers

PRINCIPAL INVESTIGATOR

Jeff Pittman

CEO / President

Degree in Cybersecurity, graduating with a 3.99 GPA. Founder of GoMain EV, Inc. (2015) and hands-on engineer behind each research area, in Rust and WebAssembly.