BRENTON J. GRAY
SOFTWARE ENGINEER | FULLSTACK & SYSTEMS

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SUMMARY

An assiduous software engineer proficient in adapting military-acquired systemic and organizational proficiency to the civilian software development sphere. Holder of a Bachelor's Degree in Computer Science and a Secret Clearance, adept in full-stack development, system operations, and process automation. Expertise spans across React, React Native, PHP/Hack, Python, C++, and JavaScript/TypeScript, with significant prowess in managing storage solutions, system integrity processes, and full-stack operational management using Docker, MongoDB, and MinIO systems. Enthusiastic about contributing to innovative and scalable software solutions in a software engineering role.

EDUCATION

Bachelor of Science (Honors) – Computer Science   **National University, San Diego, CA**

Additional Training: Business Communications & Leadership (MCU, Quantico); Systems Integration (29 Palms).

SKILLS

- **Languages:** C++, Python, JavaScript, TypeScript, PHP/Hack, Java, SQL
- **Front-end / Frameworks:** React, React Native, Redux, Expo, HTML, CSS, Vite
- **Back-end / Infrastructure:** Node.js, Express.js, REST APIs, PHP APIs, MongoDB, MySQL
- **Storage / Asset Systems:** Entity storage (MongoDB), Object storage (MinIO/S3), file integrity verification
- **Mobile / Mapping** Android (ADB/Emulator), Google Maps API, OpenStreetMap integration, Expo Router
- **Tools / Platforms:** Git, Docker, Kubernetes, Composer, npm, Python venv, Oracle asset software
- **Practices:** Object-oriented design, debugging and issue triage, cross-team collaboration, automation scripting, release scheduling, feedback group coordination

EXPERIENCE

Technical Operations & Program Manager | USMC – Japan & USA   **October 2020 – March 2026**

- Utilized Oracle asset-tracking and maintenance software daily to update system statuses, communicate with users, stakeholders and field personnel, and triage asset/modification inquiries in support of release operations.
- Scheduled, tracked and managed firmware updates, equipment modifications, supply-status roll-ins and hot-fix deployments across engineering, logistics and operations teams; ensured release-content schedule adherence.
- Maintained lifecycle oversight of >1,000 communications-systems assets, triaged user- and production-raised issues, streamlined inquiry-turnaround time and improved process flows between field users, technicians and system owners.

PROJECTS

Asset-Release-Portal-Demo – Full-Stack Asset Management System   **August 2025 – Present**

React / PHP / MongoDB / Python / MinIO / Docker

- Developed a React front end with upload and release dashboards supporting cross-team asset lifecycle workflows.
- Built PHP API integrating MongoDB (entity storage) and MinIO (object storage) via AWS SDK, supporting secure asset uploads and version tracking.
- Implemented Python automation jobs for daily integrity checks and orphan detection; authored Hack validation scripts and a C++ hash utility for system-level data verification.

PortList – Android Cruise Travel Journal   **June 2025 – Present**

React Native / TypeScript / Expo / Google Maps API

- Designed and built a cross-platform Android app for travelers to log cruises, ports, and excursions using React Native and TypeScript.
- Integrated Google Maps and OpenStreetMap APIs for location-based trip tracking and offline access to previously visited ports.
- Implemented persistent storage, dynamic forms, and exportable trip logs for journalism and itinerary management.

CERTIFICATIONS & AFFILIATIONS

Lean Six Sigma (Yellow Belt) • IEEE Computer Society Member • Golden Key International Honor Society • National Society of Leadership and Success • Omega Nu Lambda Honor Society