

MICHAEL BARRON

IT | Engineering | Project Management

Secret Clearance | PMP | Security+ | RHCSA



PROFESSIONAL SUMMARY

Certified professional with 20 years of experience managing multi-million-dollar projects, and guiding engineering, IT, and geospatial requirements in federal operations. Proven expertise serving as the primary point of contact for agency contracting, ensuring 100% compliance with federal requirements, FAR guidelines, and DoD procurement policies. Adept at managing risk, resource alignment, and multidisciplinary, geographically dispersed teams to deliver complex enterprise IT, control systems and geospatial portfolios.

SKILLS & COMPETENCIES

- **Client Computing:** Installation, configuration, and repair of workstations, laptops, printers, and peripherals.
 - **Networking:** Troubleshooting network connectivity, switches, VLANs, and wireless access point topology.
 - **Microsoft & Technical Ecosystems:** Active Directory user management, Microsoft 365, Enterprise GIS Systems (ArcGIS, QGIS, GeoServer), Linux (RHEL/CentOS) Admin, and Exchange environment support.
 - **Automation:** Task automation and administrative scripting using PowerShell, Python, and Bash.
 - **Security & Governance:** DoD 8570 compliance, STIGs, NIST RMF, and secure data sanitization (degaussing).
 - **ITSM:** Incident lifecycle management using ticketing systems and knowledge base documentation.
 - **Contract Management:** CO/COR Primary Interface, FAR Compliance, DoD Procurement, Risk Mitigation.
 - **Leadership & Operations:** Geographically Dispersed Team, Resource Allocation, Quality Assurance/Control.
- Program Management:** Program Management Plans (PMP), Monthly Status Reports (MSRs), Program Management Reviews (PMRs).

PROFESSIONAL EXPERIENCE

U.S. Air Force | 04 / 2006 – Present

GeoBase Program Manager | 04 / 2025 – Present | 40 hours / week

673 Civil Engineer Squadron | 724 Quartermaster Rd, JBER, AK 99505

- Led the development and deployment of user-focused map products, enhancing data accessibility for 6 agencies and management of a \$19.1B infrastructure portfolio.
- Managed complex collaboration of Real Property asset management and GeoBase digital twin. Led a joint team of 25 members to digitize/account for 4000 installation structures.
- Primary COR for administrator; developed policies for the team and reported contract performance, schedule status, & risk management milestones IAW contract SOW/PWS.
- Oversaw a multi-craft team of 16 staff members; architected granular data/user permissions and versioning best practices to enforce strict data quality assurance.
- Serve as the technical lead for administrator functions, developing topology and configuration for section laptops, printers, and mobile peripherals.
- Technical Support: Manage the full incident lifecycle by resolving high volumes of phone and email service requests, ensuring professional resolution of all IT-related tasks.
- Troubleshooting: Resolve Tier 1 and Tier 2 incidents involving hardware, software, and network connectivity across Windows and Linux environments.
- Guided junior technicians in troubleshooting datasets and resolving technical issues related to the geodatabase, reducing corruption errors and system downtime 20%.
- Championed the development and lifecycle maintenance of comprehensive performance metrics, and data-driven status reports to brief executive senior leadership.
- Authored automation scripts utilizing Python to streamline space utilization workflows, saving 95 hours annually while modernizing relational dataset analysis via SQL.
- Volunteered with the National Park Service and teamed with the Alaska Geospatial Council's

UAS Policy Working Group to build a public-facing web map depicting Alaska land and airspace using ArcGIS Hub at <https://agc-uas-soa-dnr.hub.arcgis.com/>.

Electrical Systems, Section Chief | 07 / 2022 – 04 / 2025 | 40 hours / week

773 Civil Engineer Squadron | 6326 Arctic Warrior Dr, JBER, AK 99505

- Directed 4 critical infrastructure and technology workstreams across a sprawling geographic footprint, synchronizing complex labor, scheduling, and asset priorities to guarantee 24/7 continuous operational uptime, reliability & FAA regulatory compliance.
- Synchronized the performance of 45 technical personnel across 16 high-visibility upgrade projects, resulting in a 40% reduction in critical enterprise power outages.
- Managed program risk and quality control for Industrial Control Systems (ICS/SCADA), implementing cybersecurity vulnerability scans, packet tracing, and security patches in accordance with DoD STIGs and NIST SP 800-82 protocols
- Served as the IT Asset Manager, controlling the allocation, tech refresh, inventory, and secure data sanitization (degaussing) for lifecycle IT hardware systems.

Construction Project Manager | 12 / 2020 – 06 / 2022 | 40 hours / week

354 Civil Engineer Squadron | 2310 Central Ave, Eielson AFB, AK 99702

- Orchestrated multiple simultaneous task orders under a \$25M, 5-year federal SABER contract mechanism, ensuring programmatic compliance, strict cost control, and schedule alignment.
- Led the successful build-out of three secure network environments (SCIF), integrated an F-35 mission planning network, & coordinated strict COMSEC requirements for a \$1.3B radar system.
- Provided technical oversight, engineering proposal reviews & construction QA/QC for 12 parallel projects valued at \$6.2M across 10 diverse technical disciplines.

Entry Controller | 10 / 2006 – 10 / 2010 | 40 hours / week

18 Security Forces Squadron | Kadena AB, Okinawa, Japan

- Bilateral Coordination: Maintained liaison with Government of Japan/Military Police to ensure effective joint security activities for the Air Force's largest combat wing.
- Intrusion Detection System End-User; monitored network-connected endpoints, analyzed system alerts, triaged potential threats, and maintained operational readiness.

EDUCATION

Master of Science in Geographic Information Science (M.S.)

Northwest Missouri State University, Maryville, MO | 2024

Bachelor of Science in Information/Computer Science: Software Engineering (B.S.)

Park University, Parkville, MO | 2022

TRAINING & CERTIFICATIONS

- Security+: CompTIA | (DoD 8570 IAT Level II Baseline)
- Project Management Professional (PMP): Project Management Institute (PMI)
- Red Hat Certified System Administrator (RHCSA | Red Hat Enterprise Linux): Red Hat
- Industrial Control System Cybersecurity (WENG 170): Air Force Institute of Technology
- Advanced Control Systems Cybersecurity (WENG 270): Air Force Institute of Technology
- Control Systems Cybersecurity CE Leaders (WENG 370): Air Force Institute of Technology