

Brian Goetz

Software Development | Cybersecurity | Embedded Systems

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Professional Profile

Software developer and cybersecurity professional with experience delivering applications that improve government workflows. Develops Power Apps and Power Automate solutions, VB.NET applications, and normalized databases, with ownership across the software development lifecycle. Brings security, configuration management, and stakeholder coordination experience to a software development career.

Technical Skills

Development: Power Apps, Power Automate, VB.NET, Visual Studio, VS Code, object-oriented programming, database design, Microsoft Office integration, SDLC.

Personal projects: Python, Django, Raspberry Pi, single-board computers, Fusion 360, electronics, and home automation. Currently learning assembly language and reverse engineering.

Professional Experience

U.S. Army | IT Specialist, NH-02 | April 2024 - Present

PAE C2 / CPE ISW / Program Director Surveillance Aerial Intelligence (PD SAI)

- Design and deliver Power Apps and Power Automate solutions to improve program-management workflows, including a deployed change-request application and a configuration management application in development.
- Serve in Information System Security Officer and Information System Security Manager capacities for mission systems; currently support two programs as ISSO.
- Manage RMF assessment, authorization, and continuous monitoring activities; maintain ATO documentation and Plans of Action and Milestones aligned with NIST guidance and DISA STIGs.
- Review security scans, coordinate remediation records, and track hardware and software changes and quarterly patching under configuration management procedures.
- Serve as Government Program Protection Lead for PD SAI, coordinating identification of critical components and critical program information, decision meetings, required memoranda, and supply-chain risk assessment requests.
- Perform system-owner responsibilities, including review and approval of exception, extension, and registration requests.

Baltimore County Government | Police Officer First Class

December 2003 - December 2023

- Developed VB.NET applications integrated with Microsoft Office to streamline government processes; designed intuitive interfaces and normalized databases.
- Managed end-to-end application development, from requirements and design through secure implementation, deployment, and updates driven by evolving user needs.
- Managed concurrent investigations requiring detailed documentation, analysis, written and oral communication, and presentation of findings.
- Coordinated teams during high-pressure incidents, delegated responsibilities according to individual strengths, and built trust with diverse stakeholders.

Security clearance: Active TS/SCI with CI polygraph.

Selected Application Projects

CRMS | Change Request Management System | Deployed

Power Apps and Power Automate

- Designed, built, and deployed an application supporting the full change-request lifecycle, from contractor submission and revision through stakeholder review and implementation tracking.
- Implemented approval, denial, and commenting workflows with role-based and tenant-based access controls and an audit trail for traceability.

COEUS | Catalogue Orchestration and Engineering Unification System

Power Apps and Power Automate | In development

- Designing and developing a configuration management interface to organize cybersecurity and engineering efforts for mission systems.
- Developing document management workflows that use AI-assisted analysis to extract relevant information for cataloguing.

Personal Engineering Projects

Connected Home Control | Built

Built a web-accessible interface for controlling multiple residential electrical outlets through a Raspberry Pi and relays. Uses Python, Django, web development, and single-board computers for home automation.

Custom Drone | In design

Designing a drone from scratch using Fusion 360 for frame design and electronics planning, combining interests in mechanical design, electronics, and embedded systems.

Home AI Assistant | In development

Developing a specialized large language model-based assistant focused on home automation, home care, and maintenance.

Education

Bachelor of Science in Computer Science

Southern New Hampshire University | Focus: Software Development

Training and Credentials

Engineering and Technical Management | WarU / DAU

Program Protection Credential | WarU / DAU

Additional Strengths and Interests

Process improvement, prioritization, team coordination, and clear communication across technical and nontechnical audiences. Values careful documentation, impartial judgment, professional integrity, and respectful collaboration.

Designed and helped construct a personal home, independently learning framing, residential electrical work, and plumbing and demonstrating those skills to officials to obtain required permits. Interests include application development, embedded systems, electronics, design, and construction.