

# Murray Milton

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## Full Stack / Front-End Engineer

### SUMMARY

Security-focused Full Stack Engineer with 3+ years of direct development experience and a strong foundation in mission-critical systems from 9 years of U.S. Army service. Experienced in the full Software Development Life Cycle (SDLC), delivering user-centric applications using React, TypeScript, and Python. Skilled in building secure, containerized architectures (Docker) and implementing DevSecOps best practices. Committed to clean, maintainable code, accessible UI/UX, and privacy-by-design principles.

### TECHNICAL SKILLS

**Languages:** JavaScript (ES6+), TypeScript, Python, Java  
**Front-End:** React.js, jQuery, HTML5, CSS3, SCSS, Bootstrap, Tailwind CSS  
**Back-End:** FastAPI, Django REST, Node.js, Express.js  
**Testing:** Jest, React Testing Library, (Selenium concepts)  
**Containerization & CI/CD:** Docker, GitHub Actions, GitLab CI, Jenkins, Kubernetes (basic)  
**Cloud & Infra:** AWS (EC2, S3, Lambda)  
**Version Control:** Git (GitHub, GitLab)  
**Project Tools:** Jira, Confluence, Agile (Scrum)  
**Security Testing:** Bandit, Pytest, Jest, React Testing Library, Splunk

### TECHNICAL PROJECTS

#### Vaulty DLP Scanner | Python, Streamlit, Regex, CI/CD | [GitHub](#) | [Live Demo](#)

- Architected a local-first Data Loss Prevention (DLP) tool to detect Sensitive Information (PII) across PDF, CSV, and TXT files without external API calls, ensuring zero-trust privacy.
- Implemented deterministic pattern matching with high-precision validators (including Luhn algorithm for credit cards) to minimize false positives in data scanning.
- Engineered a robust CI/CD pipeline enforcing static analysis and code quality using Bandit (security scanner), Mypy (static typing), and Radon (complexity metrics).
- Built an interactive Streamlit dashboard that provides auditable JSON risk reports and user-friendly, privacy-safe summaries for non-technical stakeholders.

#### CarCar | React, Django, Docker, PostgreSQL | [GitHub](#)

- Engineered a dealership management system enabling real-time inventory updates and sales tracking using Django and React.
- Optimized backend logic and RESTful API integrations, improving data retrieval speeds and platform scalability for enterprise inventory management.

### PROFESSIONAL EXPERIENCE

#### Full Stack Engineer (Freelance) | Remote |

Apr 2024 - Present

- Architected secure full-stack applications using React.js and FastAPI, reportedly enhancing client platform performance by ~35%.
- Build and maintain CI/CD pipelines using GitHub Actions and Docker, reducing deployment turnaround time by 40%.
- Ensure WCAG accessibility compliance for responsive UI components and conduct unit testing with Jest.
- Continuously integrated advanced software engineering concepts (Microservices, Domain-Driven Design) through intensive immersive training while delivering client solutions.

#### Simba Dickie Group | Software Requirements Engineer

Jul 2022 - Jan 2023

- Collaborated with **business analysts** to define software requirements, developed technical documentation, and supported system testing and quality assurance.
- Partnered with cross-functional teams to define and document software requirements for enterprise applications.
- Conducted system testing and validation against ISO quality standards ensuring defect-free releases.

#### United States Army, Combat Engineer Leader

Oct 2006 - Sep 2015

- Led teams of 10+ in high-risk, mission-critical operations; trained and mentored junior personnel on data-driven systems and equipment.
- Managed assets exceeding \$3.5M with zero loss; optimized risk management through data analysis and process automation.
- Achieved a 100% qualification rate in the Engineering Qualification Tables for the company by meticulously training and managing a specialized demolition team
- Developed a deep understanding of data-driven risk assessments and project management in mission-critical environments.

### EDUCATION

- Applied computer science fundamentals to develop a web application that streamlined student registration processes, improving efficiency by 40%.

- Enhanced IT and information literacy by engaging with a diverse curriculum, including courses in information technology, research methods, and data analysis, preparing for a data-driven professional landscape

IT Courses

- Completed Hack Reactor’s intensive 6-month software engineering program, mastering front-end and back-end technologies including HTML, CSS, JavaScript (ES6), React.js, Python, and Django. Led multiple full-stack projects from concept to deployment, with a strong focus on clean, maintainable code and team collaboration.
- Engineered a high-performance e-commerce platform, reducing page load times by over 5 seconds through optimized asynchronous JavaScript, asset minification, and performance tuning. Enhanced the user experience by implementing advanced search functionalities, improving the checkout process, and optimizing cross-browser compatibility.
- Spearheaded the design and development of scalable web applications using Domain-Driven Design (DDD) and React.js. Led a small Agile team in delivering robust, modular front-end architecture, integrating microservices with Docker and FastAPI, improving overall system scalability and operational agility.

- Mastered end-to-end cybersecurity strategies, including risk assessments and ethical hacking, using DevSecOps principles and Splunk SIEM tools to bolster defense capabilities and proactively fortify network infrastructures.
- Developed expertise in ethical hacking, employing scanning, vulnerability assessments, and penetration testing to identify system weaknesses and fortify network defenses preemptively. Implemented strategic countermeasures to mitigate potential cyber-attacks, ensuring robust incident response and threat hunting using Splunk SIEM tools.
- Facilitated cross-team collaboration and improved release management using Agile methodologies and tools like Jira and Confluence.

CERTIFICATIONS

- Enhanced network security by leveraging tools such as Nmap, Wireshark, and Metasploit; boosted security effectiveness by 30%.

- Demonstrated proficiency in navigating and using Splunk to search, monitor, and analyze machine-generated big data.

- Certified in information security management; proficient in ISO 27001, NIST Cybersecurity Framework, and PCI DSS standards.