

# Murray Milton

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## Full Stack / Front-End Engineer

### SUMMARY

Front-End / Full Stack Engineer with over 6 years of combined experience in web-based application development and mission-critical systems. Adept in the full Software Development Life Cycle (SDLC) using Agile and Lean-Agile methodologies, delivering user-centric software systems with modern web application technologies such as React, Angular, and Vue.js. Skilled in JSON data exchange, RESTful APIs, and software testing frameworks like Jest and Selenium. U.S. Army veteran with a strong background in programming patterns, collaboration tools (Jira, Confluence, Slack), and containerized deployments using Docker and Kubernetes.

### 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)

### Relevant Projects

#### iRental Platform | Fullstack Developer | React.js, Django, Docker March 2024

**Technologies:** React.js, React Forms, Tailwind CSS, Bootstrap, Redux, FastAPI, MongoDB, Express, JWT Auth, Docker, Microservices

**Link:** [iRental](#)

- Developed key frontend features using **React.js**, **TypeScript**, and **CSS3**, ensuring a seamless, responsive user experience across browsers.
- Integrated backend components using **Django REST Framework** and **RESTful APIs**, improving data management for property listings and user authentication.
- Employed **Docker** for containerization, enhancing deployment efficiency and scaling capabilities.
- Collaborated with **business analysts** to gather customer requirements and ensure alignment with business goals.

#### CarCar Platform | Fullstack Developer | React.js, Django REST API, PostgreSQL February 2024

**Technologies:** React.js, React Forms, Django REST API, CSS, Async, Insomnia, Create React App, Docker, Microservices

**Link:** [CarCar](#)

- Engineered and deployed a car dealership management platform using **Django** for backend services and **React.js** for the front end, enabling real-time data updates and seamless user experience
- Customized the application for enterprise clients by extending the platform to include **inventory management** and sales features, leveraging **REST APIs** for integration with external services.
- Enhanced platform scalability and performance through **Docker**-based containerization and optimized backend logic.
- Collaborated with designers to ensure a smooth user experience across desktop and mobile, applying **UI/UX principles**.

### PROFESSIONAL EXPERIENCE

#### Full Stack Developer

Mar 2022 - Present

#### Freelance

Remote

- Architected and deployed secure full-stack applications using React.js and FastAPI, enhancing client platform performance by 35%.
- Implemented Docker-based microservices and CI/CD pipelines with GitHub Actions to reduce deployment time by 40%.
- Developed responsive UI components with React Hooks and Bootstrap aligned to WCAG accessibility standards
- Collaborated in Agile sprints using Jira and Confluence to deliver features ahead of schedule.
- Designed unit tests with Jest and React Testing Library; explored Selenium for end-to-end browser tests.

#### 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

### Bachelors of Science| Cyber Operations and Software Development, University of Maryland Global Campus

Nov 2025

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

### Associate of Arts in General Studies, University of Maryland Global Campus

Aug 2018

- 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

### Hack-Reactor 19-Week Full Stack Software Developer

Apr 2024

- 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**.

### DevOps Pathway

Apr 2022

- 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

### Certified Ethical Hacker (CEH)

Mar 2024

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

### Certified Splunk Core User

Mar 2022

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

### CompTIA Security+ CE

Feb 2024

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