Murray Milton

📞 +491705985544   ✉ miltonmln357@gmail.com   📍 Nuremberg,Germany   🔘 gitlab.com/murraymilton

in linkedin.com/in/murray-milton

Software Engineer

TECHNICAL SKILLS

Programming Languages:

- Python (Django), JavaScript (ES6+), SQL, HTML5, CSS, Java, C#

Front-End Development:

- React.js, DOM manipulation, WebSockets, UI/UX design principles with tools like Figma

Back-End Development:

- Django, Node.js, ASP.NET, RESTful API integration, database management with PostgreSQL, MongoDB, MySQL, NoSQL, FastAPI

System Design:

- System architecture, Monoliths, Microservices, Domain-Driven Design, Message Passing, Event Sourcing, REST web services

Development Tools & Environments:

- Git, GitHub, IDEs including Visual Studio, VS Code, PyCharm, project management with Notion Data Analytics & Mobile Development
- Data analytics application in development projects, mobile development concepts, Software Development Life Cycle (SDLC)

Software Development Life Cycle (SDLC):

- Demonstrated application of SDLC principles across diverse projects

Relevant Projects

iRental Platform | Software Engineer | React.js, FastAPI, MongoDB, Redux | Completed March 2024
Technologies: React.js, React Forms, Tailwind CSS, Bootstrap, Redux, FastAPI, MongoDB, Express, JWT Auth, Docker, Microservices
Link: https://gitlab.com/irentals/i-rentals

- Spearheaded the development of iRental, a cutting-edge platform revolutionizing property rentals and sales, from March 1-31, 2024; leveraging React.js, FastAPI, MongoDB, and more
- Orchestrated the integration of front-end and back-end technologies, ensuring a seamless user experience across property listing, management, and booking functionalities
- Engineered a dynamic user interface with React, Tailwind CSS, and Bootstrap, enhancing interactivity and user engagement
- Implemented a robust backend with FastAPI and MongoDB, achieving high performance and scalability for property data management
- Utilized Redux for state management, optimizing the application's responsiveness and efficiency in handling user interactions
- Ensured secure user authentication and authorization processes using JWT Auth, enhancing system security and user trust
- Facilitated the application's deployment and testing using Docker, streamlining development workflows and ensuring reliable performance

CarCar Platform | Software Engineer | React.js, Django REST API, PostgreSQL | Completed February 2024
Technologies: React.js, React Forms, Django REST API, CSS, Async, Insomnia, Create React App, Docker, Microservices
Link: https://gitlab.com/justinleopard/CarCar

- Engineered CarCar development, a dealership management app, Feb 09-12, 2024; utilized React.js, Django REST API, CSS, and PostgreSQL
- Orchestrated the seamless integration of Inventory, Service Center, and Sales Center microservices
- Engineered front-end using React for user interface dynamism, improving client-side experience
- Enhanced a secure back-end operations with Django, ensuring robust system integrity
- Managed and optimized data transactions using PostgreSQL, enhancing data reliability and operational efficiency

PROFESSIONAL EXPERIENCE

Simba Dickie Group | Software Requirements Engineer   Jul '22 - Jan '23

- Customized Stripe API integration & created detailed technical documentation to enhance efficiency in **SAP maintenance & upgrade processes**
- Implemented version control, automated testing, & **quality assurance** to ensure consistent quality & efficiency in software development
- Integrated SAP CRM system, Jira project management tool, & e-commerce platform to enhance design, functionality, user experience, & **streamline workflows**

WITRON Logistics & Information GmbH| Electrical Apprenticeship   May '20 - Sep '21

- Maintained & repaired power distribution & control systems, ensuring **operational excellence**
- Installed & maintained switchboards, control panels, & transformers, ensuring **optimal performance** of diverse electrical apparatus with routine testing, calibrations, & replacements
- Diagnosed and rectified issues in over 400 electrical systems through meticulous live testing and troubleshooting guided by detailed circuitry schematics

- Coordinated the preparation and quality assurance of electrical systems for dispatch, overseeing assets valued at over $10,000,000, ensuring safety and compliance

United States Army, Combat Engineer Leader   Oct '06 - Sep '15

- Enhanced team performance by developing critical competencies in **survival tactics, mobility, & counter-mobility**, contributing to operational excellence
- Achieved a 100% qualification rate in Engineering Qualification Tables for the company by meticulously training and managing a specialized demolition team
- Fostered risk management and accountability by conducting regular inventories, overseeing company assets worth over $3.5 million, and ensuring zero discrepancies

EDUCATION

Bachelors of Science| Computer Science, University of Maryland Global Campus   May '25

- Gained a foundational understanding of computer science principles, programming logic, and the software development lifecycle
- Developed basic programs using control structures, functions, and data types to solve computational problems
- Engaged in hands-on problem-solving sessions to develop algorithms for a variety of real-world applications

Associate of Arts in General Studies, University of Maryland Global Campus   Aug '18

- 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 and Certification

Certifications

Certified Ethical Hacker (CEH):
- Identified & mitigated security vulnerabilities using **Nmap, Wireshark, & Metasploit** to enhance network security protocols
- Learned cybersecurity measures by completing projects in **network monitoring system implementation**, firewall configuration and web servers

CompTIA Security+:
- Obtained as a validation of baseline security skills and knowledge, reflecting a commitment to information security standards and practices

Certified Splunk Core User
- Demonstrates proficiency in navigating and using Splunk software for searching, monitoring, and analyzing machine-generated big data

Hack-Reactor 19-Week Full Stack Software Developer   Present

Completed a rigorous 19-week Full-Stack Software Development Program, mastering technologies from HTML, CSS, JavaScript, Python, and Django to cloud integration and DevSecOps, culminating in a comprehensive project portfolio.

- Completed a 6-month intensive Full-Stack Software Development Program, collaborating with a team & acquiring practical skills in HTML, CSS, JavaScript, **Python, Django, & DevSecOps**, complemented by a diverse project portfolio
- Developed a dynamic full-stack web application showcasing expertise in **frontend & backend development, responsive design implementation, & database architecture** using Python, Django, React, JavaScript, Node.js, HTML, CSS, & SQL in conjunction with VSCode, Git, PyCharm, & Visual Studio
- Expanded complex web application development capabilities, focusing on modern architectural methods, including Domain Driven Design and React for enhanced user interfaces. **Collaborative project:** Employed Agile methodologies to create and integrate microservices, producing a scalable web application
- Leveraged cloud technologies like WebSockets, FastAPI, MongoDB, & GitLab Pipelines for **seamless CI/CD workflows**, utilizing Docker for efficient deployment

DevOps Pathway   Apr '22

Excelled in a 216-hour intensive cybersecurity and DevOps training program, achieving proficiency in vulnerability assessments, penetration testing, and threat detection using Splunk SIEM; demonstrated adeptness in ethical hacking and the strategic implementation of robust security measures.

- Managed network security & firewall, utilizing **CompTIA Security+ SY0-601 certification** to detect & respond to intrusions effectively
- Performed penetration testing, vulnerability assessments, & network security using skills in **cryptography**
- Improved system performance & increased data analysis efficiency by utilizing **Splunk Core** to identify & resolve data issues, while also conducting data collection, analysis, & dashboard creation