Mazen Balasta

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🦊 gitlab.com/mznbal17/

Full Stack Software Engineer

TECHNICAL SKILLS

Programming Languages | Python 3, JavaScript ES6+, SQL, HTML5, CSS
System Design | Microservices, Domain-driven design, Message passing, Event sourcing, Monolithic System
Front-End | React, DOM manipulation, Websockets, Redux, Bootsrap, TailwindCSS
Back-End | Django 4, PostgreSQL, MongoDB, RestfulAPI, FastAPI
Deployment Tools | Docker, CI/CD

RELEVANT PROJECTS

Full Stack Engineer | Never-Left-Behind | https://never-left-behind-veterans-r-us-f6bdcd9fc60e57def2a9122364944c2.gitlab.io/   Feb '24

- Implemented a **location-based event mapping feature** using third-party APIs (login required), leveraging geocoding services to dynamically generate mapping data and pinpoint event locations on the map based on provided addresses
- Designed and implemented a **secure job posting page** with front-end authentication for "approved partner" accounts, enabling exclusive posting, editing, and deletion of job listings while **ensuring robust data security**
- Integrated **Redux for streamlined API calls**, optimizing the project's frontend by eliminating unnecessary fetch requests and enhancing **data management efficiency**

Full Stack Engineer | Z Car Dealership | gitlab.com/mznbal17/project-beta   Dec '23

- Engineered a scalable microservices architecture in **Django and Python using Docker** for a car dealership webapp, enhancing modularity and maintainability
- Integrated WebSocket technology for real-time communication, providing dynamic updates on inventory changes and customer interactions
- Designed and optimized a **PostgreSQL database** schema for efficient storage and retrieval of dealership, vehicle, pricing, and customer data

Python Developer | Task Manager | gitlab.com/mznbal17/project-alpha   Nov '23

- Developed & maintained a website using **Python, Django, CSS, & HTML** for a task management app exemplifying a profound proficiency in web development
- Enhanced user interactivity by developing a dynamic web application using Django framework & Python for server-side functionality, **integrating front-end features through DOM manipulation**
- Implemented **CSS3 techniques such as Grid & Flexbox** to create a modern & cohesive design in adherence to current web standards

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PROFESSIONAL EXPERIENCE

United States Air Force | Emergency Action Controller   Jun '22 - Aug '23

- Maintained and provided Communications Security (COMSEC) including receiving, safeguarding, utilizing, inventorying, and destroying sensitive COMSEC-related materials
- Developed and implemented comprehensive emergency response plans, ensuring compliance with regulatory requirements, and reducing response time by 15% during critical incidences

United States Air Force | Flying Crew Chief   Jul '20 - Jun '22

- Served as sole mechanic on board as a part of an aircraft crew in destinations where maintenance capabilities are limited, leading to meeting, and exceeding organizational goals, while managing $1.5B in aircraft and equipment
- Traveled to 16 countries and executed 23 missions with 100% on-time completion, and awarded the Air and Space Achievement Medal

United States Air Force | Quality Assurance/Aviation Maintenance   Jul '18 - Jun '20

- Inspected work of Aviation Maintenance technicians, and certified quality of work, following the Air Force Technical Data and regulatory guidance
- Oversaw and managed the maintenance operations of 80+ aircraft, achieving a 25% increase in aircraft availability, due in part to the efficient maintenance completed by technicians under my direct supervision

United States Air Force | Lead Aviation Maintenance Technician   Jun '15 - Jun '18

- Led a team of 40+ technicians, assuring the airworthiness of all KC-135 aircraft, and improving downtime of aircraft by 25%
- Ensured timely execution of maintenance while maintaining safety and compliance with aircraft technical data and manuals

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EDUCATION

Hack Reactor | Advanced Software Engineering Immersive Program   Feb '24

- Completed a rigorous 774 hour Advanced Software Engineering program at Hack Reactor, mastering full-stack development, algorithms, and software architecture through hands-on experience in pair programming, code reviews, and real-world team projects.