Andrew Monk

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TECHNICAL SKILLS

Programming Languages | Python 3, JavaScript ES6+, SQL, HTML5, CSS
Front-End | DOM manipulation, WebSockets, React, React Hooks, Redux Toolkit
Back-End | Django 4, PostgreSQL, MongoDB, FastAPI, RabbitMQ
System Design | Monoliths, Microservices, Domain-driven design, Message passing, Event sourcing

APPLICATION DEVELOPMENT EXPERIENCE

PasssportPals | Full-Stack Developer | https://gitlab.com/Andrew.Monk/passport-pals   2023
Application for event hosting across the world
- Developed a comprehensive CRUD functionality for the PassportPals application, leveraging FastAPI and React, to enable event hosting across the world
- Employed MongoDB for data storage, ensuring efficient collaboration and streamlined development processes throughout the project

CarConnect | Full-Stack Developer | https://gitlab.com/Andrew.Monk/car-connect   2023
Application reflecting dealership sales and service functionality
- Developed a comprehensive CRUD functionality for the CarConnect application, leveraging Django and React, to enable seamless management of dealership sales and service operations
- Employed GitLab for version control, ensuring efficient collaboration and streamlined development processes throughout the project
- Actively participated in code reviews, debugging, and testing activities to maintain code quality and ensure optimal performance of the application

Studio16 Task Manager | Full-Stack Developer https://gitlab.com/team-163974311/studio-16-task-manager   2023
Efficiently manage your tasks and boost productivity with our intuitive task manager app
- Developed CRUD functionality for projects and tasks using Django and Python to enable functionality, and added security measures to protect each individual's account
- Designed front-end templates for each feature using HTML and CSS which made the management system more engaging for users

PROFESSIONAL EXPERIENCE

Tesla | Virtual Diagnostics Technician   2019 - 2022
- Reduced diagnostic time by 30% and increased vehicle uptime by 35% by developing automated diagnostic tools using Toolbox article system. Collaborated with software engineers and vehicle technicians to develop a scalable diagnostic platform
- Improved customer communication and relations with effective communication, and respectfully managing customer expectations

Melitta Professional Coffee Solutions | Field Service Technician   2017 - 2019
- Improved equipment reliability by 50% and reduced repair time by 40% by implementing a preventative maintenance program
- Worked collaboratively with customers and sales teams to provide excellent customer service

United States Marine Corps | Aviation Equipment Technician   2011 – 2016
- Maintained and repaired various types of equipment, including aviation electronics, utilizing wiring diagrams and troubleshooting techniques to identify and solve technical issues
- Conducted scheduled preventative maintenance, reducing equipment downtime by 30% and ensuring mission readiness for multiple aircraft squadrons

EDUCATION

Hack Reactor | Advanced Software Engineering Certificate   2023
Wallace State Community College | Professional Pilot Development Program   2016 - 2017