CARL LALONDE

S O F T W A R E   E N G I N E E R

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PROFESSIONAL OVERVIEW

Detail-oriented Computer Science student with a concentration in Software Engineering. Adept in Java, C++, Python, and JavaScript, with hands-on experience in mobile and full-stack web development. Demonstrates strong problem-solving abilities, effective team collaboration, and a passion for building scalable, user-centric applications.

PROJECTS

Portfolio Contact Backend – Spring Boot, Google Cloud Run, SMTP
- Developed a Spring Boot microservice to handle portfolio website contact form submissions
- Deployed on **Google Cloud Run**, leveraging containerization for scalability
- Integrated **Google Secret Manager** for secure credential handling
- Configured **SMTP (AOL Mail)** for email delivery from website submissions

RoundTable App – Full-Stack Mobile App (React Native, MongoDB)
Status: In Development (2025)
- Implemented Google OAuth authentication with persistent login state
- Built a dynamic home screen with React Native hooks and MongoDB integration
- Integrated Expo Location API to enable GPS-based restaurant filtering
- Utilized Expo Router for structured, scalable navigation architecture

Inventory Management App – Android Studio + Java
- Developed UI with RecyclerView and custom adapters
- Enabled full CRUD operations using local SQLite database
- Focused on usability and efficient local data persistence for small businesses

Rescue Animal Dashboard – Python + PyMongo + Jupyter Notebook, MongoDB
- Designed and implemented full CRUD operations for the **Grazioso Salvare** animal rescue/training database.
- Built and tested a Python CRUD module integrated with MongoDB, ensuring secure and efficient data access.
- Validated, queried, and filtered records to meet client specifications

PROFESSIONAL EXPERIENCE

FedEx Express — Courier
Novi, MI | Oct 2020 – Present
- Delivered packages under strict time constraints while maintaining 99% customer satisfaction
- Solved real-time logistics issues and optimized delivery routes in high-pressure environments
- Demonstrated consistent punctuality, problem-solving, and professionalism

EDUCATION

Southern New Hampshire University — Manchester, NH
Bachelor of Science in Computer Science
Concentration: Software Engineering
Jan 2023 – Present | GPA: 3.9

SKILLS

Languages:
Java, Python, C++, JavaScript

Mobile Development:
React Native, Expo, Android Studio, SQLite

Web & Backend:
Spring Boot, Node.js, Express.js, MongoDB, RESTful APIs

Cloud & Tools:
Google Cloud Run, Google Secret Manager, Git/GitHub, Jupyter Notebook, Lucidchart, MySQL

Methodologies:
Agile, Scrum

Soft Skills:
Critical Thinking, Communication, Adaptability, Time Management