**Digital Music Store JavaFX Application (CV Summary)**

**Project Overview**

Developed a comprehensive digital music distribution platform with JavaFX frontend and MySQL backend that enables music discovery, purchasing, and artist content management through a client-server architecture.

**Key Features Implemented**

* **User Authentication System**: Built secure registration and login functionality with encrypted password storage
* **Music Catalog Management**: Created browsing and search capabilities filtered by genre, artist, and popularity
* **E-commerce Functionality**: Implemented shopping cart and checkout system for digital music purchases
* **Artist Dashboard**: Developed content management interface for artists to upload, track, and manage their music
* **Download Management**: Built secure system for users to access and download purchased content

**Technical Implementation**

* **Client-Server Architecture**: Designed with JavaFX frontend communicating with MySQL database backend
* **Database Design**: Created normalized MySQL schema with six tables managing users, artists, songs, purchases, and downloads
* **CRUD Services**: Implemented comprehensive data interaction services for database operations
* **UI Design**: Built intuitive user interfaces with JavaFX including login, browsing, purchasing, and artist management views
* **Security Implementation**: Incorporated encryption for sensitive data and secure authentication processes

**Skills Demonstrated**

* JavaFX application development
* Database design and MySQL implementation
* Client-server architecture
* UI/UX design for desktop applications
* Digital rights management for content distribution