

JENNIFER HERRON

Plano, TX 75075 | 972.838.3148 | herron.jenniferm@gmail.com
www.linkedin.com/in/jennifer-herron-29126a1b0 | <https://jherron6.github.io/PortFolio>

Entry-level **Full-Stack Developer** with hands-on experience building API-driven apps and data models across **JavaScript, Python, SQL, Django, Node/Express, React**, and **MongoDB/SQL Server**. Comfortable integrating services, writing REST endpoints, and deploying containers. Strong grasp of UI fundamentals plus back-end patterns (CRUD, auth, pagination, validation).

EDUCATION & CERTIFICATION

B.S. in Graphic Information Technology (Full Stack Development Concentration) | Arizona State University
IBM Full Stack Software Developer Professional Certificate | SYCA4S1U46QC

May 2025
September 2025

PROFESSIONAL EXPERIENCE

Full Stack Cloud App Developer | Capstone IBM Program (Car Dealership App) - IBM Full Stack Program 06/2025 – 09/2025

- Implemented **authentication flows** (login, logout, registration) with client-side validation.
 - Built **Django** views and models to manage car inventory; consumed **external reviews/dealers APIs** via proxy services.
 - Created a **Node/Express microservice** backed by **MongoDB** to serve dealership data; verified endpoints and integrated with Django.
 - Added **React components** (dealers list, dealer details with reviews, review submission) for data presentation.
 - Containerized services with **Docker** and wrote **Kubernetes deployment artifacts**; enabled **GitHub Actions** CI linting.
- Tech: Django, React, Node/Express, MongoDB, Bootstrap, Docker, Kubernetes, GitHub Actions

Software Developer | IBM Coursework (Guestbook & Plant Nursery Apps) 06/2025 - 08/2025

- Practiced **CRUD** and **REST** patterns: form handling, server-side validation, and search/filter features.
 - Extended a guestbook with **searchable entries** and filters; built a shopping prototype with **catalog browsing** and **cart interactions**.
- Tech: Node/Express, Django, REST, MongoDB, HTML/CSS/JS

Software Developer | Senior Design Project (Weather Forecast Web Application) 01/2025 - 05/2025

- Built a client-side weather app with **JS + REST API** (5-day forecast), **DOM manipulation**, and **error handling**.
 - Added dark mode, unit conversion, and dynamic forecast rendering to improve usability.
- Tech: JavaScript (ES6), HTML5/CSS3, Fetch API

PROJECTS

- **Relational Data Modeling & SQL Development:** Modeled multi-table schemas and wrote **T-SQL** for analytics: joins, CTEs, subqueries, aggregates, rollups; performed DML (INSERT/UPDATE/DELETE) and type conversions for clean reporting.
Stack: SQL Server (SSMS), T-SQL
- **Price Comparison App (Microservices Prototype):** Designed a proof-of-concept that **orchestrates multiple services** for price data retrieval and comparison logic; focused on **service boundaries**, **async requests**, and **modular composition** rather than UI polish.
Stack: JavaScript/Node (concept), REST, JSON
- **Cookbook Web Application:** Recipe search UI that integrates a public API. Used **jQuery plugins** (Flipster carousel, responsive tabs) for mobile-friendly interactivity, dynamic rendering of ingredients, steps, and images. **Stack:** JavaScript (ES6), jQuery, HTML5/CSS3
- **Boba Guru (Local Business Website Redesign):** Responsive rebuild of **layout, accessibility, and interaction**. Implemented a **carousel** for product browsing and a **contact form with RegEx validation** to reduce bad submissions to improve conversion by **30%**.
Stack: HTML, CSS, JavaScript (DOM)
- **Portfolio Website:** Multi-page site showing case studies; responsive grid, dark mode toggle, and styled navigation. Deployed on **GitHub Pages** with version control. **Stack:** HTML, CSS, JavaScript
- **Additional Projects**
 - **AI-Based App Deployment Exercise (IBM):** Configured and deployed an **AI model in a containerized web-app** environment; focused on packaging, routing, and rollout mechanics.
 - **Pumpkin Game:** Browser-based game using **DOM manipulation and local storage** to manage state persistence across sessions.
 - **Python OOP Mini-Systems:** Modeled domains using **classes, inheritance, and encapsulation** with **file I/O, CSV persistence, and exception handling** for robustness.

TECHNICAL SKILLS / SOFTWARE DEVELOPMENT TOOLS

Languages: JavaScript, Python, Java, SQL, HTML5, CSS3 | **Backend:** Django (basics), Node.js/Express, REST APIs |
Databases: SQL Server, MongoDB | **Frontend:** jQuery, React (components), DOM manipulation, Responsive UI, Bootstrap
DevOps/Cloud: Docker, Kubernetes, OpenShift, GitHub Actions CI/CD | **Tools:** Git, GitHub, VS Code, SSMS
Design Tools: Figma, Canva, Adobe Illustrator (wireframes/mockups for Portfolio, Boba Guru, and Capstone projects)