

JACOB MILLER

Full-Stack Web & Mobile Developer | PHP, JavaScript & APIs | 2+ Years of Web Development Experience

DETAILS

Johnsburg, IL

815-219-8394

JMillerDevelops@gmail.com

LINKS

JacobJMiller.com

[Linkedin.com/in/jmiller7334](https://www.linkedin.com/in/jmiller7334)

[Github.com/jmiller7334](https://github.com/jmiller7334)

SKILLS

LANGUAGES

HTML

CSS

PHP

JavaScript

Python

SQL

FRAMEWORKS

React.js

Node.js

Express.js

TOOLS/OTHER

MySQL

SCSS

Firebase

Apache

WHM & cPanel

VSCode

Git

DESIGN PATTERNS

MVC

MVVM

HOBBIES

Indie Game Development, Martial Arts, Distance Running, Weight Lifting.

EMPLOYMENT

Amazon Delivery Driver at VA Express LLC (Amazon DSP), Kenosha

February 2024 — Present

- Consistently managed my time to finish delivery routes within given time constraints.
- Trained and mentored new hires, contributing to team efficiency and retention.

EDUCATION

McHenry County College, Crystal Lake, IL

- Associates in Mobile App Development (2019–2023)
- Associates in Web Development (2019–2024)
- Named on the President's Honor List, 2023 Spring Semester.
- Published App for both iOS & Android.

★ WEB PROJECTS & EXPERIENCE (2+ YEARS)

JacobJMiller.com

Mobile-First Web & App Portfolio with API Demos

December 2024 — February 2025

- Built a fully responsive portfolio site with custom animations, expandable section transitions.
- Engineered an interactive terminal interface for demoing APIs.
- Integrated a contact form powered by a custom built PHP Email API with real-time feedback to users.
- Developed a modal gallery for showcasing mobile app screenshots, featuring loading animations.
- Crafted and implemented custom CSS-animated background for the site's desktop layout for visual appeal.
- Deployed manually via FTP with cPanel to a custom domain.

- Tech Stack:** HTML, CSS, JavaScript, PHP

- GitHub Project:** [Portfolio-Site](#)

[Dashboard Database Project](#)

Interactive Demo Web App for Electric Company Data Management

October 2023 — September 2024

- Built a MySQL-backed system with two tables: **customers** and **usage_data**, including input sanitization and formatting using MySQL triggers.
- Implemented dynamic database management operations with real-time UI updates using jQuery AJAX and custom PHP API endpoints.
- Developed responsive UI with SCSS for styling and jQuery for DOM manipulation and interactivity.
- Wrote and tested SQL triggers to auto-format names, clean phone numbers, normalize month names, and validate usage input.
- Integrated charting with Chart.js to visualize customer usage trends using JavaScript.

- Tech Stack:** HTML, CSS, JavaScript, PHP, JQuery, MySQL

- GitHub Project:** [Dashboard-Database-Project](#)

Custom Email API (RESTful)

Contact Form Email API with Rate Limiting

February 2025 — February 2025

- Built a RESTful email-sending API using PHP and PHPMailer to handle portfolio contact form requests.
 - Designed and implemented a token bucket-style rate limiter using `sys_get_temp_dir()`, `flock()`, and per-IP JSON tracking.
 - Engineered API to return structured JSON responses to support real-time UI feedback and error handling (e.g. rate limit errors).
 - Built exclusively for and integrated into JacobJMiller.com.
- **Tech Stack:** PHP, PHPMailer, Apache (managed via cPanel)
 - **GitHub Project:** [Email-API-PHP](#)

Custom MySQL API (RESTful)

Lightweight RESTful API for Full MySQL CRUD Operations in PHP

August 2024 — September 2024

- Developed a lightweight, HTTP-based PHP API enabling full CRUD operations for customer and usage data stored in MySQL.
 - Designed for simplicity and tested with `cURL` for seamless integration.
 - Replaced a previous Node.js (Express.js) version to reduce hosting costs, with improved maintainability and production deployment on [JacobJMiller.com](#).
 - Used across multiple projects including a Dashboard iOS app and web-based database management interface.
- **Tech Stack:** PHP, MySQL
 - **GitHub Project:** [Mysql-API-PHP](#)

[React Game Promo Website](#)

Promotional Site for a Custom-Built Game I developed.

September 2023

- Rebuilt a previous game website using React with a focus on clean, modular components and OOP design.
 - Minimized HTML duplication and improved maintainability using reusable UI logic.
 - Served as a promotional landing page; the full game was hosted separately.
- **Tech Stack:** HTML, SCSS, JavaScript, React.js
 - **GitHub Project:** [ReactJS-Game-Website](#)

JACOB MILLER

iOS & Android Developer | 3+ Years Experience | Focused on Performance, UX & Clean Architecture

DETAILS

Johnsburg, IL

815-219-8394

jmillerdevelops@gmail.com

LINKS

[Portfolio Website](#)

[LinkedIn](#)

[GitHub](#)

iOS SKILLS

Swift

UIKit

SwiftUI

Swift Charts

Core Data

Xcode

CocoaPods

ANDROID SKILLS

Kotlin

Android SDK

Gradle (Android)

Android Studio

DESIGN PATTERNS

MVC

MVVM

ADDITIONAL SKILLS

Firebase

REST API

Git

JSON

HOBBIES

Indie Game Development, Martial Arts, Distance Running, Weight Lifting.

★ MOBILE PROJECTS & EXPERIENCE (3+ YEARS)

Iron Journal (Published iOS App)

iOS App for Strength Training & Progress Tracking

March 2022 — Present (3 years)

- Built a customizable workout builder with support for custom exercises and goal setting.
- Developed a phase-based UI that guides users through their workouts.
- Engineered workout record tracking and data visualization with Swift Charts featuring toggleable metrics and detailed annotations.
- Implemented Excel-compatible data export and local device data management.
- Engineered a multithreaded Core Data architecture to support complex data operations and maintain a responsive UI.
- Built from scratch with over 500 commits of iterative development & real-world problem-solving.
- Published on the App Store: [Iron Journal](#)

• **Tech Stack:** Swift, UIKit, SwiftUI, Swift Charts, Core Data, Firebase, MVVM

Iron Journal Prototype (Published Android App)

Android Workout Tracking App & Iron Journal Prototype

April 2023 — Present (2 years)

- Built and published a native Android fitness app using Kotlin and Android Studio.
- Integrated Firebase for user authentication and real-time database operations.
- Implemented automated rest tracking, workout customization, and goal tracking features.
- The Project was managed using Agile SCRUM to meet strict deadlines while testing features across Android and iOS versions.
- Published on the Google Play Store: [Iron Journal](#)

• **Tech Stack:** Kotlin, LinearLayout, Firebase

iOS Dashboard App (Demo Project)

Designed to demonstrate data visualization and database sharing with different platforms.

September 2024

- Built a SwiftUI demo app to track utility metrics for a fictional electric company.
- Features metric data visualization utilizing Swift Charts.
- Integrated a MySQL database through custom built RESTful API with full CRUD support.
- Designed and deployed the backend, enabling real-time data interaction from the iOS client.
- Shares a database with a web dashboard tracking the same metrics.

- GitHub Project: [iOS-Dashboard-App](#)

- **Tech Stack:** Swift, SwiftUI, Swift Charts, MVVM

API Powered Weather App (Demo Project)

Designed to demonstrate REST integration and MVVM adherence.

August 2023 — October 2023

- Developed a weather app in Android Studio using Kotlin and the MVVM architecture.
- Integrated two RESTful APIs to fetch and display weather data by ZIP code.
- Designed a clean, responsive UI using LinearLayout and live data binding.
- GitHub Project: [API-Powered-Weather-App](#)

- **Tech Stack:** Kotlin, LinearLayout, MVVM