# **JACOB MILLER**

Full-Stack Web & Mobile Developer | iOS, PHP, JavaScript & APIs

#### DETAILS

Johnsburg, IL (Willing to relocate) 815-219-8394

JMillerDevelops@gmail.com

## SUMMARY

Versatile developer with 3+ years of experience developing quality web & mobile projects, including a published iOS app. Currently employed in a delivery role while actively growing my development skills and portfolio. Proficient in iOS development, APIs, and databases, with a proven ability to learn new technologies rapidly.

### LINKS

<u>JacobJMiller.com</u> <u>Linkedin.com/in/jmiller7334</u> Github.com/jmiller7334

### **SKILLS**

#### LANGUAGES

HTML5

CSS3

PHP

JavaScript

Python

SQL

Swift

### **FRAMEWORKS**

Node.js

Express.js

SwiftUI

**UIKit** 

### TOOLS/OTHER

MySQL

SCSS

Apache

WHM & cPanel

Core Data

Firebase

XCode

**VSCode** 

Git

**Unit Testing** 

#### **DESIGN PATTERNS**

MVC

MVVM

### 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

### CURRENT 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.

### **★** PROJECTS

### Iron Journal (Published iOS App)

iOS App for Strength Training & Progress Tracking

March 2022 — Present (3 years)

- Built functional UI that allows users to build custom workouts with support for custom exercises and goal setting based on user needs.
- 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

### 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.

#### **HOBBIES**

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

- 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 <u>JacobJMiller.com</u>.
- Used across multiple projects including a Dashboard iOS app and web-based database management interface.

• Tech Stack: PHP, MySQL

• GitHub Project: Mysql-API-PHP