

John Walker Jr

Software Engineer I | Backend Developer

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PROFESSIONAL SUMMARY

Software Engineer with experience designing and developing backend APIs, full-stack web applications, and mobile applications using C#, ASP.NET Core, Java, Spring Boot, React, Swift, Firebase, and SQL. Experienced in REST API development, database integration, object-oriented programming, and building scalable software using modern engineering principles and Agile methodologies.

TECHNICAL SKILLS

Languages: Java, C#, Python, Swift, HTML, CSS, JavaScript

Databases: MySQL, SQL, SQL Server, SQLite, Core Data, Firebase Firestore

Mobile Development: Android SDK, iOS SDK, Web Development: JSP, Servlets

Backend & APIs: REST API Development, RESTful APIs, ASP.NET Core Web API, Spring Boot, JDBC, JSON

Frameworks & Libraries: ASP.NET Core, .NET, React, Android Jetpack, Spring Boot, Spring Data JPA, SwiftUI, UIKit, MapKit, Streamlit, OpenAI API, Firebase Authentication, Firebase Firestore, Entity Framework Core

Tools & Workflow: Git, GitHub, VS Code, Android Studio, Xcode, Eclipse, PyCharm

Core Concepts: CRUD Operations, Application Logic, Data Modeling, API Integration, Debugging, Error Handling, State Management, Object-Oriented Programming (OOP)

Development Practices: Agile/Scrum, SDLC, Version Control

EXPERIENCE

Georgia State University – Robinson College Of Business

Client-Sponsored Web Development Project | August 2024 – December 2024

- Collaborated with a multidisciplinary student team to design and develop a website for the Robinson College of Business to showcase previous, completed, and ongoing student projects for students, faculty, and prospective employers.
- Conducted requirements gathering and project planning through recurring meetings with three Robinson College of Business professors and a project stakeholder to refine project objectives, functionality, and user experience.
- Designed interface mockups in Figma and contributed to website development using Webflow.
- Presented project progress, incorporated stakeholder feedback, and iteratively refined website features throughout the semester.

PROJECT EXPERIENCE

Academic & Project-Based Software Development

Flight Book Application | Java, JSP, Servlets, JDBC, MySQL – Collaborative Project

- Developed server-side functionality for a full-stack flight booking system supporting user registration, search, and reservation workflows
- Integrated a MySQL database using JDBC to handle persistent data storage and retrieval
- Implemented backend logic with Java Servlets to process user input and manage application state
- Debugged and resolved integration issues across modules to ensure consistent application behavior

Memo List Application | Java, SQLite, SharedPreferences – Collaborative Project

- Built an Android application enabling users to create, update, and delete reminders using SQLite for persistent storage
- Implemented full CRUD operations and optimized local data handling for efficient state management
- Utilized SharedPreferences to store user settings and enhance application personalization
- Improved UI responsiveness and stability through testing and iterative debugging

TraderMindAI | SwiftUI, Firebase, OpenAI API – Independent Project (In Progress)

- Developing an iOS application using SwiftUI and Firebase to provide market analysis tools and personalized trading insights
- Implemented user authentication and account creation using Firebase Authentication.
- Designed a multi-step onboarding flow to collect user profiles and trading preferences.
- Built reusable SwiftUI views following the MVVM architecture to support scalable application development.

Transaction Categorizer API (Prototype) | Spring Boot, Java, REST, JPA, HTML

- Designed and developed a RESTful API using Spring Boot to categorize financial transactions based on rule-based logic
- Implemented backend architecture with Spring Data JPA, including entity relationships and validation constraints
- Built REST API endpoints for transaction processing and rule management to enable dynamic data handling
- Tested API functionality using JSON requests to validate classification accuracy and system reliability

Client Performance Tracker | C#, ASP.NET Core, React, SQL Server – Independent Project

- Developed a full-stack fitness performance management platform for tracking client progress, workouts, and body composition metrics
- Built RESTful APIs using ASP.NET Core and Entity Framework Core to manage client and workout data
- Created responsive user interfaces with React to streamline fitness coaching workflows
- Designed dashboards to visualize weight changes, strength progression, and goal completion trend

EDUCATION

Georgia State University – Atlanta, GA

Bachelor of Business Administration, Computer Information Systems | May 2025

- **Relevant Coursework:** Principles of Computer Science, Introduction to Programming, Application Programming, Database Management Systems, Mobile Application Development, Cloud Application Development