

**Wes Day**  
**Lead Software Developer**  
[WesleyPDay@gmail.com](mailto:WesleyPDay@gmail.com)  
<https://www.linkedin.com/in/wesleyday/>  
<https://github.com/wespday>  
281-216-6543

*I will provide the Technical Leadership you need to get ahead of the competition.*

## Overview

- Software Development Lead with experience in all areas of the software development process from requirements gathering, architecture, agile project planning, coding and code review, and Continuous Delivery
- Experience leading multiple teams simultaneously on successful projects for a global Fortune 500 company
- Over a decade of relevant work experience and deliberate practice
- Computer Engineering degree from Texas A&M

## Relevant Experience



### United Airlines, Houston/TX (May 1999 to Present)

I started at Continental (now United) Airlines as a junior Developer and have held various titles from Tech-Lead, Manager, and Senior Manager.

I currently work as hands-on **Architect** in the area of Seats eCommerce.

This encompasses the services for Seat Maps you see on [united.com](https://united.com), mobile app, and gate displays (along with various other channels) and provides features such as *selling seat upgrades*. This is primarily a .Net stack though we integrate with various other kinds of apps including a back-end mainframe reservations system.

The Seats portfolio also includes a high-performance Seats Re-accommodation Engine (SRE) our team built from scratch. SRE finds the *optimal passenger seating arrangement* when aircraft swaps occur. SRE must do this *sub-second* especially during *massive schedule changes* which affect millions of reservations. SRE is implemented in C# with MongoDB as the database. Logs are sent to Kafka for consumption by the operations and reporting systems (ELK stack and Tibco Spotfire).

### Other Experience at United

I have served as a development lead or developer on successful applications for various business areas over the years including:

- Onboard Wi-Fi Portal (Linux, Docker, Golang)
- United Notifications Platform
  - Customer Notifications
  - Angular, C#, MongoDB
- Upgrades

- Complimentary and Paid customer upgrade services
  - C#, WCF, MongoDB
- Customer Loyalty Services
  - United's Mileage Plus Program
  - C#, WCF, Oracle, DB2
- Deadhead Booking Engine (C#, WCF, SharePoint)
- Crew Member Grievance Administration (C#, WCF, MS SQL)
- Inflight Records
  - Flight Attendant administrative services
  - C#, Asmx, MS SQL
- Segment Audit Tool
  - Travel Agent booking audit tool using C#
  - Integration with mainframe reservations systems operated by Worldspan, Amadeus, and Sabre.
- Flight Firming
  - Checks for duplicate or invalid customer bookings
  - C++, C#, Prolog
- Airframe
  - Integration layer for the mainframe reservations system
  - Coded in C++ with a DCOM interface
  - Alternate versions implanted in Java and C#
- “// Gateway”
  - Mainframe integration layer which allows off-host apps to generate interactive mainframe screens.
  - Java
- Airport Gate Management
  - VB6

## **EDUCATION**



**Graduated May 1999 - Texas A&M University, College Station TX**  
BS, Computer Engineering

## **WORK STATUS**

US - I am authorized to work in this country for any employer.

## **REFERENCES**

Available upon request.