

Wes Day

Lead Software Developer

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<https://github.com/wespday>

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, 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.