

Michael Jantz

Software Developer

Results-driven developer with 13+ years of experience capable of bringing a programming background and engineering mindset to a software engineering position.

📍 Tulsa, United States

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Work • Software Engineer, Avis Budget Group, Tulsa, Oklahoma

Jun 2017 – Present

Avis Budget Group is a leading global provider of mobility solutions, operating three of the most recognized brands in the vehicle rental industry through Avis, Budget and Zipcar. Avis Budget Group and its licensees operate in approximately 180 countries throughout the world.

- Wrote and maintained web apps and services supporting the Finance and Reporting group using ASP.NET/.net core/.NET and C#, Blazor, Bootstrap, JQuery, and SQL Server
- Updated service packs, IIS integrations, and disk partitions, and performed troubleshooting on production server
- Standardized build and devops processes
- Migrated web services from WCF to Web API
- Implemented and maintained Git source control system
- Migrated applications from .NET Framework to .NET Core/.NET
- Wrote a service to schedule jobs that integrates with the majority of the department's applications, automating inter-departmental communication, rental contract reliability, and assisting in day-to-day rental operations at 3500+ rental locations
- Built a business continuity application leveraging Bing maps to allow rental locations to update their hours/open + close locations during natural disasters, etc, used by all locations in North America
- Built an application that's used as a self-service contact directory by all field locations

- Implemented multiple customer and vendor services integrations, including one driving Budget Truck's entire package and delivery peak season rental volume and customer communications
- Lead the migration of applications from HTML, CSS, and jQuery to Blazor SPA framework
- Championed the effort to procure funding for modern integrated development environments with appropriate business licenses, admin rights, new development machines, and cloud hosting
- Lead the initiative to migrate from on-premises production server to Amazon Web Services, including CI/CD pipelines and repository hosting
- Lead a second initiative to migrate from on-premises production server to virtual servers in data center when a funding freeze was implemented
- Leveraged the power of software to streamline and automate business processes supporting both the Specialty Reservations contact center and global operations

● Software Engineer, TMA Systems Inc, Tulsa, Oklahoma

Jun 2014 – May 2017

TMA Systems provides its clients with the most technologically advanced maintenance management software available based on input from more than 1,400 clients who maintain in excess of 45,000 facilities, representing 3.2 billion square feet of space.

- Worked through three major product cycles in a .NET based web application using ASP.NET and C# with Telerik controls, on a SQL Server 2012 database
- Created new modules and pages for products
- Added enhancements to existing modules
- Handled bug fixes
- Wrote reports in SSRS for clients

● Electrical Engineer, FlightSafety International, Broken Arrow, Oklahoma

Jul 2012 – Jun 2014

- Gathered audio flight test data and generated a series of graphs to test simulation accuracy against for multiple aircraft
- Simulated the communications systems, cockpit, and environmental sounds for various aircraft in C++ and integrated aircraft control systems into these simulations via Fortran
- Traveled to onsite installation locations in order to tune the flight recording equipment, assist customer with creating the most accurate flight experience possible, and fine tune the audio characteristics in a live setting for FAA Level D certification

Education

Northeastern State University, Tahlequah, Oklahoma

Computer Science

Aug 2008 – May 2012

Bachelor of Science, magna cum laud in Computer Science

Skills

Soft Skills

Love for learning new things

Critical thinking and problem solving

Works well with customers and customer expectations

Tolerant and flexible in different situations

Full Stack Web

Development

ASP.NET Web Forms/Razor Pages/MVC

Entity Framework/Entity Framework Core

Amazon S3

Blazor

C#

Javascript

JQuery

SQL

HTML

Business Process

Automation

Streamline

Zero-touch

Notifications

Integrations

General Systems

Development

C++

Java

Intel x86 Assembly

Fortran

Emacs Lisp

Auto Hot Key

Visual Basic .NET

Reporting

SQL Server 2012

SSRS

Tableau

Toolset Proficiencies

Microsoft Visual Studio

Microsoft SSMS

Microsoft Visual Sourcesafe

Microsoft Visual Studio Code

Git

Vim

Emacs

Eclipse IDE

GoldWave

LINQPad

Languages

English

Native speaker

Interests

Music Production

Logic Pro

Native Instruments

Sound Design

Songwriting

Mixing

Mastering

Gaming

Platform Agnostic

Emergent Gameplay

Strong Characterization

Storytelling

Film

- Lighting
- Structure
- Audio