

David Flahive

601 Hillview Circle
Dripping Springs, TX 78620

david@davidflahive.com
+1.512.308.2045

Web Developer

Seasoned web developer and software engineer with over two decades of experience crafting high-impact solutions using technologies like .NET, C#, Angular, and AWS. Delivered scalable systems such as 4HOnline.com—processing over 2.5 million memberships and \$15+ million in transactions—and rapidly rebuilt Tickets.SignUpGenius.com from proof-of-concept to production in four months. As the previous owner of RegistrationMax LLC since 2006, David excels in designing dynamic database structures, custom report builders, and bulk-email systems handling 2 million monthly sends, while leveraging tools like Stripe and Twilio to drive innovation. With a foundation from Texas A&M University and prior roles at Texas A&M AgriLife Extension and ParishSOFT LLC, he brings technical expertise, leadership, and a proven track record of deploying devop infrastructures with fully redundant architectures.

Professional Experience

RegistrationMax/LumaVerse (Charlotte, NC) – Senior Software Engineer **11.2006 – Present**

Frequently Used Technologies & Tools:

- Languages/Frameworks: .NET, C#, VB.NET, T-SQL, Angular
- DevOps/Tools: Git, Nginx, IIS, Windows Server, Linux, ESXi, Hyper-V
- Databases: MS SQL Server, MS SQL Availability Groups
- AWS Services: EC2, ECS, ELB, WAF, EFS, FSx, S3, ElasticCache
- Third-party: Stripe, Sendgrid, SmartyStreets, Twilio, DevExpress, Devart LinqConnect

Occasionally Used Technologies & Tools:

- Languages/Frameworks: PHP, XML, C++, PostgreSQL PL/SQL, Perl, Bash
- DevOps/Tools: Subversion
- Databases: MS SQL Filestream, Oracle TimesTen, MySQL
- Third-party: Braintree, Vantiv, Sparkpost, Experian Address Services

Completed projects currently in production:

- 4HOnline.com. Processed 2.5M+ memberships, 8M+ enrollments, 3M+ event registrations and \$15M+ in online transactions to date.
- FairEntry.com. Managed 12,000+ fairs, 13M+ entries, \$8M+ in online transactions.
- Tickets.SignUpGenius.com. Currently onboarding SignUpGenius' 300M+ user base.

Accomplishments and responsibilities:

- Recreated Tickets.SignUpGenius.com from a proof-of-concept node.js project to a production ready .net stack project in 4 months.
- Created 4HOnline.com online 4-H membership enrollment and event registration solution.
 - 4hOnline.com 1.0 (2007) using .net Framework webforms.
 - 4HOnline.com 2.0 (2017) complete ground-up re-write using .net core and Angular.
- Created LearnGrow.io (2016) using .net MVC for managing online trainings for YQCA (Youth for the Quality Care of Animals).
- Created OnlineStable.com (2014) using .net MVC for managing animal records for AQHA (American Quarter Horse Association).

- Given a two-week timeframe, built, integrated and deployed a SCORM 1.2/SCORM 2004 run-time using PHP, SQL Server, JavaScript and jQuery to handle Texas 4-H's Child Protection Training for their adult volunteers.
- Created bulk-email system that integrates with custom reports to mail merge member data into custom templates for emailing campaigns. Averaging 2M+ custom emails a month.
- Developed a unique dynamic database table structure for recording an infinite combination of user-defined forms and fields.
- Designed and implemented a custom report builder allowing for an unlimited number of custom filters as well as extensive ordering, grouping and calculation options.
- DevOp Services migrations.
 - 2021 - From co-location with DataFoundry (Austin) to Amazon Web Services US-East-1. Specified and configured all hardware, networking and software. Implemented fully redundant multi-availability zone architecture. Regional failure to US-West-2 as part of the disaster recovery plan.
 - 2014 - From co-location with Savvis (Dallas) to a co-location with DataFoundry (Austin). Specified and installed all hardware and software. Implemented fully redundant architecture.
 - 2012 - From managed hosting services at Rackspace to a co-location with Savvis (Dallas). Specified and installed all hardware and software, including redundant networking.

Texas A&M AgriLife Extension (College Station, TX) – Programmer

8.2009 – 12.2012

Provided technical expertise and recommendations to supervisor and project team members. Learned and deployed new and/or varying technologies as needed to complete the project at hand, including both hardware and software technologies. Developed and maintained new, existing and legacy project software and websites.

Technologies and tools used frequently:

- ASP.net, C#, VB.net, VB6, T-SQL, SQL, Perl, HTML, CSS, jQuery, JavaScript, Subversion
- MS SQL Server 2008 R2, IIS, Apache, Windows Server 2008 R2, Ubuntu Linux

Technologies and tools used occasionally or for short periods of time:

- PHP, MySQL, MS SQL Server CE 4.0, Nginx, Hyper-V, ESRI ArcGIS, Unix shell
- Campbell Scientific, SCADAPack, Relay Ladder Logic, FreeTDS ODBC

Third-party products/libraries:

- DevExpress XtraReports, Devart ADO.net, Rackspace Cloudfiles API, Google Maps API v3, Twitter Bootstrap

Responsibilities and accomplishments:

- Redesigned and modernized LAMP websites using C#, MySQL and SQL Server 2008 R2.
- Created an API for transparent integration of hosted web services into third-party websites.
- Recreated legacy VB6-MSAccess software using VB.net and SQL Server CE 4.0.
- Collaborated with Iraqi Ministry of Agriculture in Baghdad on modernization of their GIS platform as part of the USAID Inma project.
- Created demonstrations of different technologies available to client for online account mapping via GIS. Technologies used included ESRI ArcGIS Server, Google Maps with KML overlays and static maps with data field overlay using HTML and CSS.
- Automated integration of clients' data into project ERSI ArcSDE databases using Perl DBI and FreeTDS as well as automated data file transfers using SSH.

ParishSOFT LLC (Ann Arbor, MI) – Web Developer

1.2008 – 7.2009, 12.2009

Collaborated with client to design and develop web-based data management system for masstimes.org using C#, SQL Server 2005, and .Net 2.0. Planned complete redesign of legacy ASP website and relational database for future update. Troubleshoot and debugged legacy ASP website in the interim before project update was planned to begin.

Technologies and tools used frequently:

- ASP.net, C#, T-SQL, SQL Server 2005, XHTML, CSS, JavaScript, Subversion

Technologies and tools used occasionally or for short periods of time:

- Classic ASP, VBS, XML, SQL Server 2000, DotNetNuke

Responsibilities and accomplishments:

- Designed and implemented a hierarchical permission structure providing top-down management of data and users.
- Developed global address lookup system to facilitate and assure data integrity of global parish locations. Vital component of lookup system that is based entirely on proximity.
- Migration of 100,000+ churches and millions of mass times from a flat table structure to a newly designed relational database model.
- Created secure XML API for third-party integration with client's data.
- Assisted in debugging and performance tuning an accounting project when the web servers were being overwhelmed due to coding inefficiencies.

Texas A&M AgriLife Extension (College Station, TX) – Programmer

2.2001 – 12.2007

Provided technical expertise and recommendations to supervisor and project team members. Learned and deployed new and/or varying technologies as needed to complete the project at hand, including both hardware and software technologies. Developed and maintained new, existing and legacy project software and websites. Oversaw and provided technical expertise for the Rio Grande Valley irrigation district database modernization project.

Technologies and tools used frequently:

- PHP, VB6, SQL, HTML, CSS, JavaScript, Perl, Unix shell
- Red Hat Linux, Sun Solaris, Windows Server, MySQL, Apache

Technologies and tools used occasionally or for short periods of time:

- Oracle 9i/10g, Firebird, Sendmail, Postfix, LVS, HaProxy, FreeBSD, OpenBSD, ESRI ArcGIS
- Campbell Scientific, SCADAPack, Relay Ladder Logic, C#, C/C++, Fortran 77

Responsibilities and accomplishments:

- Coordinated database modernization project for Texas irrigation districts, including irrigation automation and data acquisition.
- Spearheaded migration from legacy static HTML to LAMP-based websites.
- Created AppRate, irrigation watering requirement software using C# and MSAccess.
- Redesigned and built the drive system for the "Drought Simulator" as part of a collaborative project with SAWS (San Antonio Water System).
- Modeled evapotranspiration data for the state of Texas using MySQL and Perl DBI.
- Installed, programmed and maintained statewide network of Campbell Scientific weather stations.

Texas A&M University (College Station, TX) – Network Admin

8.2000 – 1.2001

Administered departmental network services, server and domain users.

Technologies and tools used frequently:

- Oracle 7, SQL Server 7, MS Exchange, Apache, Sendmail, Majordomo, C, Perl, Unix shell
- Sun Solaris, Red Hat Linux, Windows Server

Responsibilities and accomplishments:

- Migrated all domain and web services from Sun Solaris to Red Hat Linux and Windows 2000 ADS with Exchange.
 - Migrated all database services from Oracle 7 to SQL Server 7.
-

Education

Texas A&M University, College Station, TX 1998-2003 – 118 credit hours earned
Mechanical Engineering Technology / Computer Science

Languages

English – Native
Spanish – Fluent

References

Professional and personal references are available upon request