

CHRISTOPHER P. SIMMONS

Full-Stack Web Application Developer

resume@cpsimmons.com
12 Hyde Road
Clarklake, MI 49234
517.703.4709

Qualifications Summary

An ASP.NET developer since 2002, currently building aircraft routing software by merging .NET with navigation API to display dynamic maps of charter airline waypoints, Great Circle routes, country permission data including full zoom, feature layers, and interactive graphics.

Formerly a Full-stack Application Developer at independent, non-profit research and educational organization, operating in both Microsoft IIS/MSSQL/ASP.NET/VB.NET and Linux environments: sole developer wrote all code, all SQL queries, served as admin on all servers, and even created the graphic design, real estate & user interface when previous designs had fallen out of favor.

Professional Experience

Kalitta Air Cargo, contract via NuTechs, Bloomfield Hills, MI **Willow Run Airport, Ypsilanti, MI**
Web Application Developer: ASP.NET, C#, MSSQL, Javascript, .SVG web graphics 4/16 to Present

Key Accomplishments:

- Defined, designed, developed, tested custom aircraft route software for Kalitta Air Cargo charter airline
 - Wrote ~6,000 lines of ASP.NET, CSS, Javascript, MS SQL from square one
 - Drew waypoints, routes, Great Circles, color-coded country borders based on flight permissions
 - Enabled flight followers to maintain extensive country permission database for color coding maps

William Davidson Institute at the University of Michigan **Ann Arbor, MI**
Application Developer (Full-stack): ASP.NET, VB.NET, MSSQL, Javascript AND IIS Admin, MS SQL DBA 9/13 to 12/15
Application Developer: Web Application development AND Linux/Plone Admin 9/11 to 9/13
Image Programmer: Website development AND printed materials graphics 2/07 to 9/11

Key Accomplishments:

- Defined, designed, developed, tested web-based, database-driven catalog of college educational materials, including eCommerce; upgraded, administered, maintained, safeguarded 8½ years
 - Wrote 120,000+ lines of ASP.NET, CSS, Javascript, MS SQL from square one
 - Handled 12K successful eCommerce transactions autonomously
 - Delivered 216K business case documents to purchasers, available from any device, anywhere
 - Registered 17K users, half being professors who can create multiple-doc “CoursePacks”
 - Collected \$900K in revenue through 3rd-party banking provider
 - Enabled case writers and sales manager content management via an extensive custom CMS
 - Monitored site using advanced tools, “heat maps”, tickers, live graphs using HTML Canvas
- Promoted to “full-stack” Application Developer after hosting provider dropped IIS Admin and MS SQL DBA support, solely administering IIS & MS SQL; continued for 2 successful years including ISP change

Professional Experience (page 2)

Independent, Contract, Short-term Web Development

Mid to Southeast Michigan

Trialon, Inc: ASP Classic, Jet Engine Blade Catalog for Williams International 90-day assignment, 2006

NetLink: Network & Customer Support, Trained Offshore Personnel at MSXi and IOC merger, interim AS/400 admin ... 6/05 to 3/06

Independent Web Development: Numerous full-stack websites, including SQL traffic monitoring6/01 to 2/08

EagleDocs, Inc: ASP.NET/VBScript UX developer, graphic design for Mortgage Document Delivery App 9/02 to 10/03

Online Technologies: In-house Web Developer, ASP Classic, MS SQL, Oracle, Javascript, run-time CSS 3/99 to 6/01

Software Support, Database Programming, Desktop Publishing Mid to Southeast Michigan

Spring Management: MS Access DB, Visual Basic app developer, 4-color printed ad creation 9/95 to 9/98

Arbor Image: Software Support, AutoCAD operator, Manual Authoring, Windows Help file, some coding in C/C++ ... 7/91 to 8/95

Paragraphics, A Synergy of Words & Images: Computer Training, Document Layout, Desktop Publishing5/91 to 3/99

Quickprint, Inc: Desktop Publishing, Image Processing..... 9/89 to 2/91

Jackson Community College: Instructor, Word-processing, BASIC, PageMaker 9/88 to 2/91

Kelly Services: Various temp assignments, spreadsheets, logistics expediting, legal case document preparation 7/88 to 7/91

Aerospace Engineering

Aeroquip, Inc: Design Engineer, Aircraft Refueling Nozzles 9/86 to 9/87

Hughes Aircraft Corp. (now Boeing): Spacecraft Propulsion Test Engineer, Launch Ops 6/83 to 6/86

Key Accomplishments:

- Tested spacecraft full life-cycle from first proof to launch testing
- Performed Launch Operations at Kennedy Space Center and Cape Canaveral AFS
- Wrote spacecraft test procedures for bi-propellant systems testing and launch ops
- Interfaced closely with spacecraft control group procs on DEC PDP-11
- Programmed simulation of helium blowdown in pressure tanks: BASIC on IBM-PC w/Hercules card

Education

University of Michigan

Ann Arbor, MI

Bachelor of Science, Aerospace Engineering

Graduated December, 1982

- Followed Spacecraft track of Aerospace Department (as opposed to Aircraft track)
- Served as Propulsion Team member of Senior Project
- Programmed in curricular and extra-curricular languages:
FORTRAN (punch card batch files at NUBS), WATFIV, ALGOL-W (300 BAUD terminals), BASIC (Apple & TRS-80)
- 4-seasons with Michigan Marching Band—Trumpet, Michigan Basketball Band—Bass Guitar

Author/Publisher

Authored 500-page novel, first of an on-going trilogy

Authored 666-page trilogy under a pseudonym

- Created eBooks for Amazon and Barnes & Noble for both projects
- Created hardcopy editions for CreateSpace, including all cover art, page layout, websites
- Details available upon request