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WORK HISTORY:

Plains Tribune and Spearfish City Limits, Spearfish, SD

Founder, Software, Database, Systems Oct 2014 - Present

- * Drafted business plan to inform low/no budget new venture
- * Designed, coded, deployed HTML5 symmetric key encryption software
- * Developed a new more efficient model for social networking feeds
- * Designed, coded, tested GIT integrated Dev/Ops deployment model
- * Created online publishing database with tiny hack attack surface
- * Integrated publishing endpoint with in studio software for online radio
- * Came up with the "AM Radio of the Internetio" brand vision
- * Built site from zero to more than 10,000 monthly unique IP addresses
- * Administer site receiving 4 million hits per month on \$28/mo hosting budget
- * Developed myself into on-air talent to quality assure broadcast platform
- * Conducted long-form, unscripted interviews with Leo Zagami, Mark Meckler, Tara Volesky, Jami Lynn, Max Hay, Heath Johnson, Dr. Wilfred Reilly, Scott Stewart, Lora Hubbel, Kevin Lynn, John McAfee, and others

Growing Business Solutions, LLC (GBS) Tucson, AZ and Spearfish, SD

Owner/President Oct 2004 - Present

- * Perform sales, product research and development, market research, software systems delivery, engineering support
- * Craft innovative business solutions using experience in one of the nation's best entrepreneurship programs (McGuire Center for Entrepreneurship)

Macrovision Deadwood, SD

Independent Contractor July 2018 - Present, Sanford Lab

- * Created video streaming solution to bring images from 4000 feet underground
- * Hardened production cloud environment of DB2DOM
- * Created streaming control software managed from cloud
- * Deployed video capture/control services to Windows, Linux, and Mac

Plains Tribune Spearfish, SD

Founder, Broadcast host, Systems Administration, Software Engineering

- * Built lightweight push-button to the cloud FM quality MP3 streaming
- * Created content plan, managed interview schedule, hosted guests
- * Created "The Big Picture"
- * Recruited nationally recognized names for interviews

- * Guided Plains Tribune from launch to 3.5 million hits and 10k+ IPs per month

Meyer Landscaping Spearfish, SD

Laborer Nov 2017 - Dec 2017

- * Installed Christmas decorations and lights for customers from North Dakota to Rapid City

Wyoming Highway Patrol Association Evanston, WY

GBS Independent Contractor Feb 2015 - July 2016

- * Built, deployed and managed online 52 Gun Raffle

World West Technologies, Inc Vancouver, BC Canada

GBS Independent Contractor Dec 2014 - June 2015

- * Delivered encryption software that elevated production compliance for Canada's largest credit union, Coast Capital Savings
- * Repaired internal software error in Apache's XSLT processor enabling delivery of Enterprise Services Bus technology integrating core banking software for Coast Capital Savings
- * For Coast Capital Savings, integrated telephone system with customer service system using jQuery

The Iron Place, LLC Spearfish, SD

President/ Entrepreneur in Residence June 2014 - Oct 2017

- * Created custom order management, capacity planning, and real-time margin analysis system
- * Performed primary market research, secondary market research, coordinated with The Arizona Center for Innovation for an Arizona Expansion

World West Technologies, Inc Vancouver, BC Canada

GBS Independent Contractor April 2014 - May 2014

- * Delivered Cannabis quality control system for Canada's federal new venture incubator in anticipation of federal legalization of Cannabis

Buffalo Chip Sturgis, SD

GBS Independent Contractor Dec 2013 - Jan 2014

- * Researched privacy focused information system for the biker world
- * Created concept for digital billboards to replace real-world billboards along the highway
- * Developed multi-layered, spriting geospatial server from the ground-up in two weeks
- * Art directed design tasks for "Road to Sturgis"

Employment Hotline Tucson, AZ

GBS Independent Contractor Dec 2013

- * Created HTML Offline Timecard application

BlackHills.com Spearfish, SD

GBS Independent Contractor Sept 2013 - present

- * Perform data entry
- * Deliver websites for Joomla platform
- * Perform online marketing for various customers

Creative Broadcasting Services Inc Spearfish, SD

Unpaid Internship June 2013 - Sept 2013

- * Researched Internet radio delivery opportunity

Virtual Perception Systems Inc. Vancouver, BC Canada

GBS Independent Contractor Nov 2010 - Dec 2012

- * Performed Object/Relational Mapping research and development
- * Validated database interaction heuristics for middle ware database interaction

Danro Corporation (AZ Digital Farm) Scottsdale, AZ

Position May 2010 - Oct 2010

- * Continued engineering work on Copia Mobile's coupon product
- * Assisted with acquisition of Video Professor
- * Lead team to build-out Video Professor online digital delivery system from core legacy content

Copia Mobile Scottsdale, AZ

Position March 2010 - April 2010

- * Joined team to revitalize and validate a J2EE message scheduling system called Kadoink
- * Extended and adapted Kadoink to adapt to digital coupon delivery for JDA affiliated investors (Copia Mobile)
- * Interviewed engineers to continue working on Kadoink for Copia Mobile

The Art Institute of Tucson / Education Management LLC Tucson, AZ

Adjunct Instructor July 2009 - December 2009

- * Taught computer programming class
- * Designed curriculum at the same time I was teaching the class
- * Student testimonial: "This was the only class where I actually learned something valuable"

The University of Arizona - The McGuire Center for Entrepreneurship Tucson, AZ

Applications Systems Analyst, Senior July 2009 - Sept 2009

- * Ported legacy Access database to Java system
- * Developed outcomes assessment software proof-of-concept

Washington State University Pullman, WA

GBS Independent Contractor March 2009 - June 2010

- * Designed, engineered, implemented and administered grant application review system

The University of Arizona - Agricultural and Resource Economics Tucson, AZ

Applications Systems Analyst, Senior Feb 2009 - June 2014

- * Maintained and extended livestock records and direct farm marketing software

The University of Arizona - The Water Resources Research Center Tucson, AZ

Applications Systems Analyst July 2008 - Feb 2009

- * Normalized and performed QA on 290 HTML newsletter files using J2EE/DDP
- * Developed Layout for November-December Arizona Water Resource Newsletter
- * Developed J2EE SSL server to accept/process conference registrations

CurbRider, LLC Tucson, AZ

President June 2008 - Present (Mostly 2009)

- * Secured SBA funding to manufacture innovative BMX safety gear to resolve skate park contention issue
- * Managed high pressure cavity mold tool design and production
- * Managed and oversaw production of 1500 pairs of the product
- * Tested and validated product in Arizona's best skate parks
- * Secured patent on the product

RedEndo Store Tucson/Nogales, AZ

Owner May 2005 - 2008

- * Opened BMX store in Nogales, Arizona
- * Drove \$19,000 in sales from sale #1
- * Managed Arizona's best BMX freestyle team
- * Performed municipal outreach to open public skate parks to BMX riders
- * Lead BMX freestyle team on international trips to compete (and win) in Obregon and Hermosillo, SON MX

The University of Arizona - Agricultural and Resource Economics Tucson, AZ

GBS Independent Contractor Oct 2005 - July 2008

- * Performed direct marketing research for local food distribution
- * Attended and presented at direct farm marketing meetings in Arizona: Tucson, Phoenix, Tuba City, Concho, Wilcox, other
- * Used market research to create requirements for a direct farm marketing software
- * Engineered, tested, and systems administered direct farm marketing software
- * Performed customer support for direct farm marketing software
- * Worked with Arizona Ranchers and student team to create prototype solar powered wireless long-range cattle tracking ear tag
- * Mentored and managed 5 MIS Masters students in Java and J2EE for agriculture

The University of Arizona - The ARSC/Arid Lands Studies Tucson, AZ
Graduate Assistant, Software Development Lead March 2004 - Jan 2006

- * Implemented version control system
- * Guided software development process and mentored team in Java J2EE
- * Delivered wildfire management application
- * Designed and engineered GIS animation engine
- * Designed and engineered livestock records and direct farm marketing software

Compuware, VistaCare Phoenix, AZ
Professional Staff, Geographic Sales and Delivery Division, VistaCare Inc
February 2003 - February 2004

- * Technology liaison to Chief Compliance Officer
- * Evaluated strengths and weaknesses of technology infrastructure
- * Prototyped Java-based system
- * Co-designed and developed "red/yellow" KPI report

NCS Pearson Mesa, AZ
Programmer Analyst October 2000 - January 2003

- * Co-designed and prototyped k-12 classroom management middle-ware
- * Co-designed and prototyped k-12 class scheduling middle-ware
- * Stabilized integration technology
- * Prototyped innovative integration technology

MaddenMedia Tucson, AZ
Web Application Developer August 1998 - September 2000

- * Co-developed database design and program code for The Arizona Sonora Desert Museum membership system
- * Maintained demographic reports for America West Airlines and Coty Inc.
- * Prototyped Content Management System

The University of Arizona - The Center for Global Student Programs
and Study Abroad Tucson, AZ
Undergraduate Worker: Desktop Support, Web Development Sept 1998 - June 1999

- * Updated department website
- * Developed online catalog of international travel guidelines
- * Maintained Macintosh printers and computers

The University of Arizona - Computer Capers Tucson, AZ
Mentor Summer 1998
* Taught algorithms and other Computer Science concepts to 4th and 5th graders

The University of Arizona - The Memorial Student Union Tucson, AZ
Undergraduate Worker: Operations Manager Sept 1997 - Dec 1997
* Managed room setup team

- * Oversaw night time building operations

The University of Arizona - The Memorial Student Union Tucson, AZ
Undergraduate Worker: Sam's Place June 1995 - Aug 1997

- * Managed Pool & Games room

Adia Temp service

Construction Site Laborer Summer 1994

- * Cleaned up construction sites

Flying J Kingman, AZ

Dishwasher July 1993 - Dec 1993

- * Ran industrial dishwasher, limited prep-cooking and bussed tables

Denny's Kingman, AZ

Dishwasher June 1993 - July 1993

- * Ran industrial dishwasher

Kingman Auto Supply Kingman, AZ

Stocking, shipping and receiving Summer 1992

- * Delivered auto parts and verified incoming parts orders

Freed Landscaping Kingman, AZ

Laborer Summer 1991

- * Shoveled rock and dug trenches

East Bay Auto Supply Guantanamo Bay, Cuba

Warehouse Custodian May 1982 - Dec 1984

- * Swept warehouse

Kathy Falzarano Lead, SD

Laborer at Lead City Dump Summer 1981

- * Separated and recycled mine shaft reinforcement rebar and plates

EDUCATION:

The University of Arizona - Tucson, AZ

Jan 2004 - Dec 2005

Masters Management Information Systems, Concentration in Entrepreneurship

The University of Arizona - Tucson, AZ

Jan 1994 - May 2000

Bachelor of Arts in Philosophy, Computer Science Minor

Mohave County Community College - Kingman, AZ

June 1993 - Dec 1993
College preparatory classes (no degree)

Kingman Highschool, Kingman, AZ
1989-1993 Highschool Diploma