Doug Morton

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RELEVANT PROFESSIONAL EXPERIENCE

2020 - **Sher Music, Inc.**
Development of complex royalty payment system. Inputs for multiple vendors, allocation of royalties based on international agreements. *SQL, VBA, Access, Excel*

2019 - **Cann.dev**
Real Estate (for cannabis companies). Built entire system from ground up, wrote multiple APIs including to GoHighLevel, Lob, MapBox, Spokeo, Google. Interface with CoStar Real Estate system. Use of Google App Scripts to automate folder and contact management. Google *Esri ArcGIS, Python, VBA, CoStar,APIs, Google Apps Script*

2019 - 2019 **IsoFlex, Inc.**
Radioisotopes company. Very complex inventory and shipping process. Prototypes built in Django / Python and React / Redux for new website. Migration from Microsoft Office to Google Suite. Automation with Google Apps Script. *NET, MVC, Razor, MS SQL, Data Mart, Power BI/Tableu, AWS, Django, Python, Google Apps Script*

2017 - 2019 **City of Vacaville**
Fleet management system. Rebuild of app I wrote for them 20 years ago, into full-stack web app. *VBA, GPS, ArcInfo GIS, Full-stack, Angular, Bootstrap, Material, VB.NET, javascript, SQL*

2017 - 2018 **Prevalent Designs, Inc**
Events management systems. *AngularJS, Bootstrap, Material, C#/VB.NET, javascript, MYSQL). Web service interfaces built for Facebook, LinkedIn, Hubspot, Google, Stripe, Authorize.net, others*

2017 - 2018 **MyRobot, LLC**
Use of WebRTC for real-time communications. *MongoDB, Node.js, REST, Google Maps, Full-stack (MAMP, LAMP, MEAN stacks), PHP*

2017 - 2018 **Hahnemann Labs**
Rebuild and maintenance of production, custom OTC orders and customer service. *MVC, WPF, XAML, ORM, Forms, LINQ, SQL, C#, .NET, AngularJS, Node.js*

2015 - 2016 **Elder Tech**
Worked on prototype of elder care system. *SQL, Android, .NET*

2015 - 2018 **Larkspur Data, Inc.**
XML and other document parsing and import to a query screen. *SQL, .NET, C#, AngularJS, REST API*

2015 - **Professional Publishing , Inc.**
Fillable real estate forms. Facebook and LinkedIn campaigns. *MySQL, PHP, AngularJS, REST API, Adobe Creative Suite, Watermark generators, etc.*

2015 - 2015 **TeleMedicine**
Linking doctors around the world with services and clinics. *SQL, AngularJS, Sharepoint*

2014 - 2014 **OpenCar**
Programming of in-dash computer displays. *Full-stack, Angular, Node, Java, REST API unique javascript variant (similar to Node and Typescript)*

2014 - 2014 **CBS Digital**
Maintenance and upgrades on their web site. *HTML, CSS, Angular.*

2014 - 2014 **ID-It**
Development of prop inventory system. *Full-stack, Angular, Java, Google Maps, AWS, scanners, GPS, REST API*

2014 - 2014 **Xamarin evaluation**
Development of several proof-of-concept projects towards evaluation of use in a bigger project. *Xamarin*

2014 - 2018 **Software ID Services**
Software identification algorithms and database. *SQL, VBA, AngularJS, Access, .NET*

2014 - 2018 **Sitech, Inc.**
Earlier version of Software ID. *SQL, Obout, .NET , SSRS, SSIS*

2012 - 2012 **Bay Creative**
SalesForce programming and customization. *SalesForce*

2011 - 2012 **AFS Child & Family Services**
Child and patient tracking. *.NET, C#, SQL, AngularJS*

2011 - 2017 **Accel-Dev**
Time management and CRM. *SQL, .NET, AngularJS, Access*

2011 - 2017 **Collaborative Practice of San Mateo County**
Members website with intranet. *.NET, VB.NET, C#, SQL*

2011 - 2016 **Collaborative Practice of California**
Members website with intranet. *.NET, VB.NET, C#, SQL*

2010 - 2015 **Global Merino**
Production and sales tracking system. *.NET, C#, SQL*

2010 - 2012 **Streamline Mailing Systems / EcoThrift, Inc,**
Mailing management. *.NET, C#, VB.NET, SQL, HTML/CSS*

2008 - **City of Riverbank**
City Fleet Management system. *VBA, Access, SQL*
2007 - **Ghilotti Brothers**
Bids and Jobs management and project tracking. *.NET, ASP, SQL, Access*
2006 - 2006 **Hipsolve, Inc.**
Website music download and artist development company *C#*
2006 - 2009 **International Academy of Collaborative Professionals**
Rebuilt existing web site, including complex search feature integrating Google Maps, e-commerce, auto-emails, newsletter delivery, forum registration, scholarship applications, media galleries and much more. Built complex survey and analysis tool. *.NET, DevEx, SQL, Maps, Excel, VBA, Access*
2004 - 2004 **Aurora Consulting Group**
On-line database for statistical analysis of fund-raising and charitable activites. *Excel, Access, ASP.*
2004 - 2007 **City of Dixon**
Public Works Department management system. *VBA, Access, SQL.*
2004 - **Northern Marin Water District**
Two management systems for water projects. *SQL, .NET, ASP, Access*
2003 - **Verified Audit**
Audit management system. *Javascript, .NET, SQL, Ajax*
2003 - 2007 **Turrentine Wine Brokerage**
Wine Brokerage website. *HTML/CSS/javascript, SQL, Ajax*
2003 - 2013 **Payroll Masters, Inc.**
Payroll Company website. *Javascript, Ajax, HTML/CSS*
2003 - 2004 **Novato Chamber of Commerce**
Built main database and website. *SQL, HTML / CSS / javascript.*
2003 - 2005 **Database Solutions of Marin**
Various projects - time management, CRM, real estate, construction. *.NET, VBA, ASP, Access*
2003 - 2003 **Novato School of the Arts**
Website. *ASP, SQL, HTML / CSS / javascript*
2003 - 2004 **KitchenWorks**
Used geometric techniques to determine most efficient way to utilize sheets of lumber in the construction of cabinets. Consulted on other systems, including Purchasing, Pricing, Customer Surveys, Charts & Graphs, Call Center and auto-faxing software *VBA, SQL, Excel, Access*
2003 - 2005 **Professional Program Insurance Brokers**
Various projects involving re-insurers. PDF generation, email sequencing *VBA, .NET*
2003 - 2004 **Pacific Fertility Clinic**
Reworked database from Paradox to Access *Paradox, Access*
2002 - 2002 **Greenfarm, SSU**
Website. *ASP, SQL, HTML / CSS / javascript*
2002 - 2006 **Lovin' Spoonful**
E-Commerce and Intranet. *ASP, .NET, HTML / CSS / Javascript, Ajax*
2001 - 2001 **Renew**
Website. *ASP, SQL, HTML / CSS / javascript*
2001 - 2002 **Triad Electronics**
Web-based job specification system. *ASP, SQL, HTML / CSS / javascript*
2001 - 2003 **Flagclothes**
E-Commerce and retail site. *ASP, SQL, HTML / CSS / javascript*
2001 - 2002 **EmployVN**
Employment management service. *ASP, SQL, HTML / CSS / javascript*
2001 - 2001 **Profound Technologies**
Co-founder of this core technology company. Co-developer of a major dNOS called Minerva. This company is focused on developing inventions, securing patents, and arranging licensing of our technologies to third parties. *Delphi*
2001 - **gNeo.net** *Co-Founder*
Instigator and engine behind this developer's membership group, which offers value-added hosting and specializes in database-enabled web sites. Additional expertise includes e-commerce and cross-browser compatibility, including hand-held devices. Medical, retail, finance, employment services, and technical apps. Reworked site in Python / Django. Migration from MS Office to Google Suite with Google Apps Script. *All databases, Python, Django, VBA, Angular, Google Apps Script, PHP, APIs*
2000 - 2003 **Mplus, Inc.** *Co-Founder, CIO*
Founded company after demise of Sage, focusing on the non-hardware aspects of the system. Goal was to be able to manage all sorts of devices over the internet independent of hardware. Built a macro language. I was CIO but for a while I served as the CEO until a more experienced person was available. Built and managed all systems for this company. Investor relations, special projects, general management. *SQL, VBA, Delphi, web tech, C++*
2000 - 2000 **Banque Nationale de Paris**
Maturity Tracking, Commitments, Profitability systems. Access, Automate *Access, Automate*
2000 - 2000 **Theseus Logic**
Website. *ASP, SQL, HTML / CSS / javascript*
1999 - 1999 **Judicial Council of California**

Upgraded their databases *SQL, MySQL*

1999 - 1999 **Contra Costa County**

Consolidated Land Use and Permitting systems. *SQL, ASP, Access*

1999 - 2001 **Richardson Consulting Group**

Secondary Mortgage processing. *VBA, SQL, Ajax*

1999 - **City of Vacaville**

Work Order / Maintenance / Public Works / Corp Yard / Inventory Tracking / GPS / Mapping *VBA, GPS, ArcInfo GIS, Google Maps*

1999 - 1999 **The Gap**

Real estate analysis building statistical models for stores (AARS) and RealDeal for store comparisons. *VBA, Access, MapInfo*

1999 - 1999 **Applied Risk Management**

Developed data mart and data dictional for General Liability division. *Access / SQL*

1999 - 1999 **Netcentives**

Custom Outlook application. *OLE, Excel, Word, Access*

1999 - 1999 **National Bicycle Dealers Assoc**

Data analysis. *Excel*

1999 - 1999 **CD Computers**

Website. *ASP, SQL, HTML / CSS / javascript*

1999 - 1999 **BayPark Retirement Home**

Website. *ASP, SQL, HTML / CSS / javascript*

1998 - 1999 **Natl Council of Grantmakers**

Data troubleshooting *dBase, SQL*

1998 - 1999 **VISA International**

Y2K analysis, Vendor Tracking. *Access, SQL, VBA, Delphi, InstallShield*

1998 - 2000 **Engineered Environments**

Dual platform job tracking system *Filemaker*

1998 - 2001 **Sage Systems** *Co-Founder, CIO, VP Info Systems*

Early smart home tech, allowed device control over the web. Developed innovative system involving custom hardware and electrical line networks. Built version for early cell phones and PDAs. Worked on appliance network protocol. I co-founded the company and was involved in strategic planning, raising money, implementing company systems and processes and management of the programming staff. *Visual InterDev, ASP, custom-built DLLs and COM objects, Delphi, Java, Access, SQL, network design and implementation, IT*

1997 - 2012 **Extegrity, Inc.**

Co-founder and CIO. Program allows for secure exams (everything blocked but the test) now used by schools worldwide. Light-weight system 'lock-outs', simple install, production using assembly-line customization. On-line grading, admin, takehome exams *Delphi 3 and 5, AppleScript, ResEdit, .NET, SQL*

1997 - 1998 **Bank of America** *Real Estate Appraisal*

Automated appraisal system. *SQL, VBA, C, dBase*

1996 - 1997 **Parker Reorder Company**

Hotel reorder system, dynamic links to accounting system. *C, C++, SQL, Great Plains*

1996 - 1997 **Power Learning Systems**

Accounting system interface. *SQL, Great Plains, VBA, links to ACH*

1996 - 1997 **M1 Software** *CFO / Controller*

Developed internal systems and consulted on outside projects. *SQL, .NET, Great Plains*

1996 - 1996 **Wells Fargo** *Wholesale Banking*

Document image indexing system. *Delphi, Oracle*

1996 - 1996 **Chiron** *Sales Administration*

Sales tracking (distributable). *VBA, Xcellenet, Oracle, Excel*

1996 - 1996 **Chiron** *Legal*

Contact Management (CMS). *FileMaker, Access*

1996 - 1996 **Chiron** *Diagnostics*

Contact Management (CMS). *FileMaker, Access*

1996 - 1996 **Infocom**

Newsletter automation. *WordBasic*

1995 - 1995 **Fritz Companies**

Payroll Budgeting / Forecasting. *Access*

1995 - 1995 **Intel Corporation**

Design document distribution. *Paradox, Notes*

1995 - 1995 **Silicon Valley Bank** *Strategic Planning*

General Ledger interface. *Access, AS/400, Lotus*

1995 - 1995 **Silicon Valley Bank** *Cash Management*

Corresponding Banks and Unposted Transactions system. *Access, Oracle, Notes*

1995 - 1995 **Wells Fargo** *Telemarketing support*

Telemarketing reporting system. *Paradox, C*

1995 - 1995 **Wells Fargo** *Real Estate Technical*

Nationwide real estate project tracking. *FoxPro, Paradox, Access*

1995 - 1995 **Bank of America** *Real Estate Technical*

Real estate project tracking. *Paradox, FoxPro*

1995 - 1995 **Bank of America** *World Banking Group*
Order system. *Notes, SQL, Delphi, Access*

1994 - 1994 **Management & Personnel Systems**
Prototyped national interview library in Paradox *Paradox*

1994 - 1994 **Paradigm Publishing**
Medical clinic and immunization tracking. *Paradox, Access, VBA*

1994 - 1995 **Systems Partners, Inc.**
Contractor tracking system. *PowerBUilder, C++, Sybase*

1994 - 1994 **Borland International**
Built regression testing system for Paradox. *Paradox, Oracle, Informix, SQL, Sybase*

1994 - 1998 **Integrated Development** *Partner, Director of Development*
Work on several approaches involving front-ends to ODBC/SQL client/server databases. Researched and used code generators, visual development and templates. Nationwide bail bonds tracking, interfaces to Great Plains, QuickBooks, directory services, web sites, health care, membership tracking, budgeting/forecasting, personnel, project tracking *Access, VBA, Spread/VBX, Tab/Pro, WinWidgets, TrueGrid, C/C++, PowerBuilder, Clipper, ProtoGen+, Excel, FoxPro, Sybase, Watcom, SQL Server, accounting, budgeting, Great Plains, ADP, Solomon*

1994 - 1995 **Wells Fargo** *Personnel*
Various systems. Scanner and mainframe interface. *Oracle, PL/SQL, Unix, Quark, Focus*

1991 - 1992 **US Postal Service**
Nationwide Account Management system. *Oracle/Focus to Paradox*

1991 - 1992 **Kransco, Inc.**
Repricing system. *Paradox, AS/400*

1991 - 1992 **UC California**
Executive Tracking, Publications Management, Projects Management. *Paradox, ObjectVision*

1990 - 1991 **ComputerLand Corp.**
National Service Contract Admin. *dBase, Clipper*

1990 - 1991 **Allertech**
Pharmacological Program. Interface between instruments and program. *Clipper*

1990 - 1990 **EPRI**
Bridging personal computers to mainframes (IBM 3090 and 3081). *Token Ring, Appletalk, VB/SA, CMS, CP, JCL, Nomad*

1990 - 1994 **Bank of America** *Consumer Lending*
Various projects. *FoxPro, Paradox, VBA*

1990 - 1994 **Bank of America** *Projects Tracking*
Project tracking. *Paradox*

1990 - 1994 **Bank of America** *Names*
Company rolodex. *Paradox*

1990 - 1994 **Bank of America** *Reg B Exception*
Imports from mainframe into analyzer. *DDE, Nomad, Attachmate, ABACIS*

1990 - 1994 **Bank of America** *Cross-Certification*
Training tracking. *Paradox*

1990 - 1994 **Bank of America** *Underwriter Review*
Report card system. *DDE, Attachmate.*

1990 - 1994 **Bank of America** *ATM Tracking*
Tracks ATM videos. *Paradox*

1990 - 1994 **Bank of America** *Global Product Service*
Profit & Loss management system. *Paradox*

1990 - 1994 **Bank of America** *Other Real Estate divisions*
Various projects. *FoxPro, Paradox, VBA*

1990 - 1994 **Bank of America** *Accounting Merger Team*
Employee Absence Tracking. *Nomad, Paradox*

1990 - 1994 **Bank of America** *Capital Markets*
HLT (Highly-Leveraged Tracking) system. *Paradox*

1990 - 1991 **Berle Southard Construction**
System design and programming for construction firm tracking clients, receivables, payables, work in progress. Developed project on IBM with Paradox and ported to Macintosh using FoxBase. *Paradox, Mac, Fox*

1990 - 1990 **San Francisco Chamber Singers**
System setup, program consultation and design towards an integrated management and grant-writing program. *IT and design*

1990 - 1990 **San Francisco Mime Troupe**
System programming/enhancements. Designed member and contact databases programs. *IT and design*

1990 - 1990 **Animal Legal Defense Fund**
System upgrading and revamping. New software installation. *IT*

1990 - 1990 **EPRI (Electric Power Research Institute)**
Built informational catalog publishing EPRI projects. Specced and tested wide range of options towards bridging personal computers (Macs and IBMs) to mainframes (IBM 3090 and 3081), setting up gateway servers over networks (Appletalk/Token Ring). *VM/SA, CMS, CP, JCL, Nomad, FoxPro, FoxBase for the Mac*

1990 - 1990 **Tetratech**
Worked with an on-site programmer to develop the ODES data system that will likely become a national standard for reporting to the EPA on the water content of bays, estuaries and other bodies of water. Had to work within the EPA data structures and write an appropriate user interface maintaining appropriate hierarchical structures in Clipper. *Clipper*

1990 - 1990 **Tragon Corporation**
Installed FoxPro and slightly modified a FoxPlus application and tested this survey software for speed and compatability. *Fox, FoxPro, FoxPlus*

1989 - 1992 **San Francisco Jewelry Company**
Network installation, modified, enhanced and eventually replaced existing system. Programmed huge and growing customer/order databases requiring sophisticated ongoing maintenance. Customer/order tracking, A/R, A/P, showcase and retail tracking systems, check writing/refund system, inventory (5 levels), invoice and networked reporting to accounting. Very involved data transfer sequence. *dBase, Paradox, Clipper, Pdox Engine, Novell*

1989 - 1989 **Chiron, Inc.**
Reprogram of patent tracking system to accommodate yearly account rollover for this genetic engineering firm. Redesigned internals of already existing program to improve speed and flexibility. *DBase, dBXL*

1989 - 1989 **Accelerated Information**
Car Loan Tracking Application for Bank of America. Programmed enhancements and debugged existing software. *Nomad, Paradox*

1989 - 1990 **Berkeley Shakespeare Festival**
System streamlining, organized relational databases and interfaces. Memory installs. *IT*

1989 - 1989 **Entertainment, Unltd.**
Scheduling, artists database. *C, Clipper*

1989 - 1989 **Alameda Homes and Investments**
System set up. Mass mailings. Investor databases. *Q&A, Pagemaker*

1989 - 1993 **Hastings College of the Law**
Survey analysis, telephone data processing, field searches, mainframe interface. *Fox, dBase, C*

1988 - 1989 **Marin Education Foundation**
Grants Management. *Paradox*

1988 - 1988 **Michael Arrich, Inc.**
Mutual Funds tracking system. *C, Foxbase, Clipper*

1988 - 1988 **Compudata**
Designed and programmed point-of-sale retail program with invoicing, customer and vendor links, inventory, receivables, payables and summaries of above. *C, Clipper, dBase, Paradox*

1988 - 1989 **C.W. Sweeney**
For this trust management firm: delinquency tracking, addressing, computer configuration, company activities, multi-factored pension payments, dozens of accounting functions, including C programming to parse and handle massive mainframe downloads. Research into mainframe/mini/micro hookups using Burroughs 9700 (Unisys), Texas Instruments and IBM PCs. *Fox, Paradox, Excel and MS Windows, C*

1988 - 1989 **Culinary Brands**
Supplies, Sales, Production, Analysis systems. *C, Clipper, Paradox*

1987 - 1988 **Russell Resources**
Hazard cleanup tracking. *Visual Basic*

1987 - 1988 **Illustrious Lighting**
Retail and service tracking. *Fox*

1987 - 1988 **Institute for Human Resources**
On-line traveler's service. *C, Clipper*

1987 - 1989 **California Council for the Humanities**
Accounting and Grants Management systems. *dBase, Clipper, Paradox, Fox, C*

1982 - 1987 **Baker & McKenzie**
Brought in first mini-computer (Wang). Learned to program. *Basic, Cobol*

Skillsets

Full-stack web programming	e-Commerce	Security	Internet of Things	Windows
Mac	Linux	All SQL (esp. SQL Server)	Access	Paradox
dBase	Filemaker	FoxPro	PowerBuilder	REST API
.NET	MVC (both .NET and Java)	HTML 5	CSS	javascript
AngularJS / Bootstrap	jQuery	Java	C / C# / C++	PHP/MySQL
Visual Basic and VBA	Android	Delphi	C++	SSRS / SSAS
SOAP	RESTful APIs	Git	Maven	Agile
Bash	XML	PDF programming	Word and Excel macros	Replication
GPS	Drag-and-drop uploads	ODBC	OLE	MongoDB
AWS	Google Maps	Paypal	AdWords	AppleScript
ResEdit	Azure	Sharepoint	Xamarin	SalesForce
Great Plains	QuickBooks	DevEx	Ajax	Node.js

Education

University of California, Berkeley. Courses in IBM/36 Assembler, Unix, C, telecommunications - 1984-1986
Oakland University, Rochester, Michigan, Masters of Business Administration (MBA) - 1977-1981
New England Conservatory of Music (BM), Music Performance. Boston, Massachusetts, 1973-1977. Phi Beta Kappa
Interlochen Arts Academy, Interlochen, MI. 1972-1973