

# 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/Tableau, 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, About, .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 activities. *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 dictionary 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, Xcelsius, 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 Tetrattech**

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, dBaseXL*

### **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 Computata**

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