



Scott Deardorff

scott@deardorff.org

+01 760 851 2127

Introduction

For the last 20 years I have solved complex business technology issues for fortune 500 companies. I am an innovator, and I excel at creative solutions to tough problems. I am a highly organized, results oriented, technical professional with a proven track record of many successful engagements.

I have experience in many facets of the computer industry including design, management, implementation, training, and support in everything from business applications to the highly technical. Some areas of expertise include but are not limited to: Cloud infrastructure architecture, design and implementing complete e-commerce systems, serverless applications, AWS, machine learning, predictive analytics, web analytics, encryption, database design, point-of-sale retail systems, inventory control, general ledger accounting systems, payroll, and light manufacturing.

Experience

Tropare Inc.
April 2014 to Present

Tropare, Inc. is a provider of Big Data Solutions targeting fortune 500 customers.

Senior Engineer/Architect/Dev-Ops: Lead architecture and design of enterprise customer projects. Created processes and methodologies to manage the development and delivery of multiple software products by in house and outsourced project teams. Implemented and Supported multiple back-end, front-end and mobile applications, running on platforms using AWS, Linux, Windows, Android, Perl, Python, Java, C, Javascript, NodeJS, mod_perl and Docker. Developed a streaming big data ingestion platform that operates serverlessly and is very scalable using Docker containers, Amazon ECS and auto-scaling clusters. Used ingestion platform to develop integration with 3rd party platforms including, Salesforce, SugarCRM, MSSQL, Postgres, MySQL, MS CRM. Created an automated system to build code and configurations and enable continuous integration via ssh, Ansible and github. Developed multiple front and back-end applications including, but not limited to Machine Learning, B.I & Analytics, Data Ingestion and Marketing Campaign Management. Containerized multiple existing Perl and NodeJS application components and moved appropriate pieces to AWS Lambdas and ECS to operate serverlessly. Designed, created and implemented a front end authentication infrastructure using OpenID and OAuth2. Integrated with Multiple OAuth Providers, including MS Azure, Google and Salesforce. Developed secure access and deployment using ssh-agent, gpg-agent and Yubikeys to provide physical key 2FA access

and deployment.

Numeric Analytics

April 2011 to April 2014

Numeric Analytics is a provider of Business Intelligence and Analytics solutions to fortune 500 customers worldwide.

Senior Consulting Manager: Designed and wrote JavaScript analytics product, that allows for asynchronous tagging with any analytics or business intelligence tool. Was awarded the company's 2012 Excellence in Innovation Award. Moved company's IT infrastructure from hardware hosting to Amazon Web Services, substantially reducing company IT costs, while providing higher availability and uptime. Created automated build system, using ANT, for creating new customer distributions, automatically creating documentation, and concatenating and compressing JavaScript for increased reliability and load performance. Mentored Junior tech staff in programming best practices and clean coding techniques.

Technology Leaders

April 2006 to April 2011

Technology Leaders is a leading web analytics consulting company supporting WebTrends, Google and Omniture to Enterprise and Fortune 500 customers.

Senior Web Analytics Consultant: Responsible for on-site and remote client engagements focused on the implementation and optimization of WebTrends Marketing Lab, Google Analytics and Omniture Site Catalyst. Developed KPI's, business requirements and best-practice reporting/analysis guidelines. Provided training clients on the strategic use of web analytics to support business objectives. Wrote custom JavaScript for custom tagging implementations. Managed Analytics Data warehouse Applications and Data Delivery Applications.

The Human Factor

Oct. 2004 to April 2006

The Human Factor is a service business providing custom website, database, security and e-commerce design and implementation solutions for a wide variety of business applications.

Founder and Principal Consultant: Responsible for business development, operational leadership, project management, hands-on development using PHP/MySQL/JavaScript and FreeBSD and Linux Platforms. Designed custom credit card processing and secure licensing solutions.

Booth Creek Resorts

Nov 1999 to Sep. 2004

Booth Creek Resorts is multi-million dollar National Corporation that owns 8 winter and summer resorts across the United States and provides skiing, lodging, food services, and point of sale retail to residents and vacationers.

E-Business Manager: Responsible for all E-commerce, Network infrastructure, security and credit card processing systems. Managed software development staff and design and business requirements of systems. Responsible for all Website design, creation and tracking.

The Human Factor

May 1994 to May 2000

The human factor is a "boutique" ISP that creates and hosts custom built E-commerce sites. The Human Factor also provides consulting to other ISP's in installation, configuration, security and build-out of ISP networks. The Human Factor also provides streaming audio, credit card processing and produces the RadioNet Radio Program.

President/CIO: Responsible for business development, development of custom software using C, PHP, Perl, Java on Linux, FreeBSD and Windows Platforms. Setup and configure credit card processing services, produce and host, streaming audio radio shows. Manage operations, development and administrative staff.

**The Santa Cruz
Operation (SCO)**
May 1988 to May 1994

SCO was, the largest seller of Unix, for PC's, in the world. With a staff of over 3000, SCO was the leader in providing enterprise Unix solutions to fortune 500 companies worldwide. SCO developed operating systems, applications and provided advanced services.

Senior Engineer: Provided premier technical service (TEAM Support) to SCO Fortune 1000 customers. Debugged all OS and Application code at source code level including Multi-Processor kernel code, device drivers, TCP/IP client/server, and X11/Motif applications, using C and C++ on SCO Unix and Unixware platforms to support same Fortune 1000 customers. Debug device drivers for new hardware including Tape subsystems, SCSI disk controllers, Serial and Parallel hardware, Terminal Emulation, and Laptop docking stations. Product maintenance responsibility for SCO's DOS/Windows Emulator product SCO Merge, including build and verification of source code handoffs and debugging application at C/C++ source code level and Integration. Ported 3rd party Open Source applications from various platforms to SCO Unix for inclusion in SCO Skunkware product.

Briareus Corp.
Jan 1986 - May 1988

Briarius Corporation provided vertical mini computer based computing solutions solutions to CPA's and Business. Briarius also provided custom software development services and systems integration and support services.

Project Manager/Programmer Analyst: Created custom solutions for customers using a base wholesale distribution and light manufacturing and general ledger accounting software package using C, and *IMS Basic on SCO Xenix and IBM AIX platforms*. Wrote project specifications, approved specs with customers and implemented resulting functional specification to provide a finished software product. Created customer training programs documentation and on-site training.

Engagement Results Summary

Cloud Computing

Web Analytics

Project: Write Asynchronous JavaScript Analytics Framework

Result: Wrote an Object Oriented Asynchronous JavaScript Framework that used Ant, Apache-SSL with OpenID/libopkle authentication (compiled from source). Framework allows for tracking of analytics events with a single set of tags. The single set of tagging can log to multiple tools, including but not limited to Site Catalyst, WebTrends and Google Analytics. This software is currently in production at multiple fortune 500 Internet sites.

Project: Write XML interface to MSSQL Analytics Event Data

Result: Wrote MSSQL stored procedure replacements to allow variable table names. Used Apache/Perl and DBI:DBD to write a CGI interface to data which converted data on the fly into XML for an ultra-memory efficient API.

Project: Write custom JavaScript to implement “Even Attribution” for referral traffic sources.

Result: Wrote custom JavaScript using cookies and JSON variables within the cookie to attribute sales to traffic sources based on the number of times they came from that traffic source. Configured Webtrends custom reports to use data generated by custom JavaScript to create Even Attribution reporting within Webtrends.

Project: Provide training to Business and Technical Users

Result: Taught both The “Webtrends for Business Professionals” and “Webtrends for Technical Users”, courses at multiple custom sites, including labs, and interactive breakout sessions.

Project: Provide cross tool reporting for existing site tagging

Result: Wrote custom JavaScript that uses DOM to read tagging from various vendors including double-click, WebTrends and Google Analytics. JavaScript gathered various events tagged and then logged all events to each analytics tool. This re-purposed existing tagging to be used with other tools and saved the custom money in additional tagging development time.

Project: Convert Google Analytics Tagging from Synchronous to Asynchronous tagging.

Result: Used the ability to have order dependent functionality within the asynchronous calls to make calls to other JavaScript tagging functions and preserve order dependency within the asynchronous code. Wrote additional code to work around issues with jQuery being used to call tagging functions after page load completes and after any document.write calls (to catch things like doubleclick tracking).

Project: Write custom JavaScript to set analytics tags based on DOM information

Result: Custom was unable to add tags to existing content. Wrote custom JavaScript that used jQuery to analyze all links in the page and scan them for on-click events. Whenever on-click events containing specific GET method parameters were present, analytics event logging would be triggered automatically. This saved the custom development time and effort and worked around limitations in their back-end CMS system.

Project: Interface WebTrends Software and On-demand with Excel using ODBC

Result: Wrote Visual Basic code for Excel that created an update button in the Spreadsheet. When clicked a date range and criteria selection window gave the custom the ability to retrieve ad-hoc, multi-site, roll-up reporting that was not possible with their current WebTrends analytics tool. The spreadsheet then populated with current data and combined information across multiple "profiles" and provided graphs and formatting that was updated by the custom Visual Basic Code.

Project: Audit Site for Analytics Tagging and Verify Function and Tags

Result: Wrote custom Javascript that utilized Mozilla/Chrome features spider a list of sites and load each page. Each page was then checked after load to make sure it successfully loaded the appropriate, WebTrends, Omniture, Google, Atlas, Double Click, Undertone, YieldManager, and Deep Sky logging images. The JavaScript also check the image loads for additional user defined required query parameters are being sent.

Project: Deploy WebTrends in a 100% Flash-based website

Result: Analysis of business requirements defined the key performance indicators for this site. Developed a tagging strategy and implementation plan for Action Script Flash programmers. Configured reporting features and verified successful implementation.

Project: Implement Campaign reporting with integrated conversion events and revenue tracking

Result: Configured a campaign translation table that matched the required demand channels and partner mix. Designed custom WebTrends tagging for multiple conversion events and configured several custom reports. Coached initial data analysis for ad mix evaluation. Implementation fully supports marketing requirements for marketing campaign performance evaluation.

E-Commerce

Project: Create an event database to track local events and venues

Results: Conceived and designed a web based application using Ruby on Rails with a MySQL back end database. Integrated user authentication and with mod_auth_mysql.

Project: Integrate site authentication with Facebook Users

Results: Used PHP to integrate with the Facebook API and allow site visitors to connect with the local sites MySQL authentication using their existing Facebook account and information.

Project: Integrate E-Commerce solution with E-bay

Results: Integrated OSCommerce store with E-Bay Store. Wrote code PHP to generate custom HTML, and read product information from E-Bay, using the E-Bay application API, using CURL to send and retrieve XML API requests.

Project: Provide Credit Card Processing Services for Enterprise

Result: Created a front and back end solution for E-commerce for 8 resorts. Integrated back end E-commerce solution with multiple POS, Rental, Food and Lodging profit centers within each resort and saved the company \$140,000 in credit card processing fees within it's first year.

Project: Implement E-commerce solution to service 8 winter/summer resorts.

Result: Used PHP/Apache/Mysql on Free BSD and Sun Solaris platforms to provide credit card processing, and lift ticket/season pass sales. Wrote integration modules for lodging, and loyalty card processing with on-line points redemption.

Project: Design On-line Loyalty E-mail/CRM/Coupon/Redemption System

Result: Designed system using PHP/Apache/Perl/Mysql on FreeBSD platform to generate e-mailed barcodes. Redemption rates were tracked by barcode redemption of coupons created in the front end POS system with integration to the POS system's back-end MSSQL database using FreeTDS to create the proper records within the POS system.

Project: Design and Support 8 Enterprise Websites

Result: Led team of 3 Web Designers in working with 8 resort marketing teams and re-designing websites top to bottom for each season. Used custom code from 3rd party designers and in-house custom code using HTML, PHP, JavaScript, Java and Perl. Also used in-house custom e-commerce back end and CMS system, along with open source CMS tools to maintain and update content. Repeated cycle once a year for 5 years.

Networking and Security

Project: Set up secure AWS infrastructure to deliver production applications

Result: Used AWS VPC configuration to designate secure and DMZ zones with specific routing and role configuration to prevent unwanted ingress and egress. Machine access via a bastion host with ssh public/private key, backed by 2FA and Yubikeys. Created infrastructure as code system, where networks, systems and software are provisioned by Ansible IT automation software.

Project: Replace legacy Rails/Database application.

Result: Given only the API needed, wrote a serverless lookup Lambda in Javascript, backed by data stored in S3. Used AWS SAM Local to create a deployable program so that gateways endpoints and other configuration is is deployed with a single command.

Project: Write real-time location tracking for existing mobile app.

Result: Wrote NodeJS back-end to provide real time log data from existing mobile application. Wrote Javascript front end to draw real time animations on Google Maps from back-end lat/lon information.

Project: Create Node-JS back-end authentication infrastructure compatible with legacy mod_perl system.

Result: Created express middleware pieces using Oauth 2 and OpenIDC front end, to authenticate users with our own Oauth Provider and 3rd party Oauth providers like Google, MS Azure and Salesforce. Set up and configured an Apache front end that uses mod_auth_openidc and mod_perl, and reverse proxies the Node-JS pieces to pass Oauth2 information.

Project: Secure Enterprise Network

Results: Setup and configured CISCO router ACL's with BOOTP and TFTP backup of configurations. Installed Snort and ACID Intrusion Detection Software. Setup and configured Sendmail enterprise email servers with SpamAssassin and clamav anti-virus software.

Project: Build In House Enterprise Web Hosting CMS Infrastructure

Results: Installed, designed and configured web hosting services for all 8 resorts using Apache, PHP, Perl, MySQL, PostgreSQL, Redhat Linux, Sun Solaris FreeBSD, Windows Server 2k, MSSQL 2k and IIS. Designed and configured CMS system with integration to 3rd party MSSQL data sources.

Project: Build hand-held loyalty tracking system

Results: Designed and programmed hand-held barcode scanning system to implement tracking and redemption with legacy QNX systems and Wireless hand-held scanning devices. Designed back-end infrastructure for handling loyalty cards and integrated with back-end e-commerce credit card processing system.

Project: Build ISP network infrastructure for Web Hosting and Dial Up

Results: Designed and implemented multiple ISP networks using 3com rack mounted equipment and Radius Servers installed on FreeBSD and Redhat Linux. Configured backups and fail-over using scripting, and Amanda Open Source Backup Software.

Product Development

Project: Implement Agile Development Methodology

Results: Implemented Pivotal tracker Agile development software. Worked with business users to train in both Agile development methodology and ideas. Trained internal and external customers in use of tool and application to projects. Mentored business users and developers in communication and scheduling in an agile environment.

Project: Create Information Dissemination Tool for Worldwide Customers

Results: Conceived, designed and wrote a system, using C and SCO Unix to deploy and incrementally update a support knowledge-base for customers worldwide.

Project: Create secure on-line licensing for Windows software installation.

Results: Designed and created custom software licensing system that allowed activation of serial numbers over the Internet and verification to prevent multiple activations. Also designed back end UI to allow administration of serial numbers and keys using PHP, Apache, and MySQL on Apache using SSL.

Project: Create full text searchable, cross referenced database of animated films

Results: Used C, WAIS Indexing, MySQL, Apache and Sun Solaris to design a custom solution that was updated via text files FTP uploaded by the customer. The database indexed animated films and cross referenced directors, animators, etc. to schools, categories, types of films, etc.

Project: Maintain source code and bug fixes for Virtual Machine software

Results: Built hand-offs of source code from 3rd party vendor in prescribed environment and verified with binary releases. Integrated component product into main build of complete product using custom development tools, sccs make, C, C++.

Project: Create Multi-account E-commerce software

Results: Designed and implemented multi-account e-commerce and credit card processing software that supported multiple 3rd party e-commerce sites, keeping data segmented and secure across sites in a single database. Created custom encryption scheme for encrypting credit card numbers stored in back end web sessions, with multiple key read/write.

Professional Recommendations

Michael Powe <i>Web Analytics Consultant</i> Technology Leaders	"Scott is a diligent consultant with a wide range of technical knowledge, from C programming on Unix to Java programming on Windows. He has contributed to our program with back-end organizing and work as well as with maintaining good client relations and driving client
--	---

	satisfaction with solid performance.”
Harry Landers <i>President/Founder</i> Highlands Consulting	“Scott was great to work with. His in depth knowledge and his unique abilities to see the entire path of a project from beginning to end were invaluable. His dedication to his work and clients was beyond reproach. I would work with him again anytime!”
Nicklaus Deyring <i>Web Designer</i> The Human Factor	“Scott is a tech guru that handles the balance between being a developer and manager well. His talent with Unix, servers and programming was just as obvious as his fun method of approaching work. Certainly recommended for handling anything complicated, from the tech side to the management side.”
Frank Richey <i>Director Information Technology</i> Booth Creek Ski Holdings, Inc.	Scott worked under my supervision as E-Business Manager at Booth Creek Resorts. His most notable achievements were the E-Commerce and CRM systems that he wrote which took the company from \$0 to over \$10,000,000 yearly for all of our resorts and sent and tracked over 1 million e-mails per year. His creative use of Open Source products and the ability to integrate them with existing Microsoft and other in-house solutions has saved the company substantial amounts of money over the course of the last five years. An eight-month project that he designed and played a key role in last summer, converted all of our credit card and loyalty processing to a new system that is saving the company an estimated \$140,000 in it's first year.

Operating Systems

Unix/Linux	Microsoft	Apple	Applications
<ul style="list-style-type: none"> ● Ubuntu Linux ● FreeBSD 4.x ● SCO System V 3.x - 5.x ● BSDI 3.x ● Linux 2.x ● SunOS 4.x ● Sun Solaris 2.x ● IBM AIX ● QNX 	<ul style="list-style-type: none"> ● DOS 4.x - 6.x ● Windows 3.x ● WFW 3.11 ● Windows 7/8/10 ● Windows Server 	<ul style="list-style-type: none"> ● MacOS X ● iOS 	<ul style="list-style-type: none"> ● Apache/Apache-SSL ● Postgres/Sendmail/Qmail ● git/cvs/svn ● Ruby on Rails ● ssh ● rsync ● MS Excel ● MS Project ● Eclipse IDE ● Drupal CMS System

Languages

Javascript	Perl	C
<ul style="list-style-type: none"> ● Node JS ● ES6 ● Netscape/Micro soft ● Graphics ● CGI Applications 	<ul style="list-style-type: none"> ● v5.x ● Perl Modules ● CGI Scripting, system administration tasks, socket programming, web site mirroring, etc. ● Database manipulation w/ DBD:DBI ● Oracle Access ● mSQL Access ● MySQL Access ● Postgres Access ● Sybase and MSSQL (TDS 4.2 and 7.0) 	<ul style="list-style-type: none"> ● Debugging, compiling, editing Makefiles for various platforms, complications w/ gcc, Sun C and SCO C. ● Kernel Code ● Device Drivers
Shell		HTML
<ul style="list-style-type: none"> ● csh, sh, ksh ● Scripting, system maintenance. ● Administration utilities 		<ul style="list-style-type: none"> ● CC Processing ● Netscape/Microsoft ● Page development with support for CGI scripts. ● Secure commerce applications. ● Server parsed HTML such as PHP
Databases/SQL	Java	Other
<ul style="list-style-type: none"> ● Postgres ● MySQL ● MSSQL ● Mongo DB ● Oracle ● Informix 	<ul style="list-style-type: none"> ● Network Clients ● GUI Programming ● Java based servers ● Collaboration Clients 	<ul style="list-style-type: none"> ● Python ● XML/XMLRPC ● Basic ● Flash MX ● Visual Basic

Networking

TCP/IP

- AWS VPC
- Cisco IOS 12.x
- Applications (ssh, telnet, ftp, etc.)
- Routing and Subnetting
- Network Debugging
- Intrusion Detection
- Application Development (client and server)
- DNS setup/administration
- PPP/SLIP setup and admin.
- Firewall and Security design/setup/maintenance.

Novell IPX/SPX

- Netware 2.1-4.0
- Netware Win95/98/NT clients

NetBIOS

- Win95/98/XP/WinNT/7/8 client/server setups
- SAMBA Unix based Netbios services

Education/Certifications

- 22 years industry experience, 15 years mentoring/training
- SCO Advanced Certified Engineer
1992
- SCO - Various Management Training Courses
1989 - 1992
- Fullerton College - Computer Science Program
1982 through 1984
- Outstanding Student of the Year - O.C. Savings and Loan Assoc.
1982

Additional References are Available Upon Request



To Whom It May Concern:

This letter is in reference to Scott Deardorff's employment at Booth Creek Resorts.

Booth Creek Resorts is the fourth largest ski resort owner and operator in North America with distinctive regional resorts located within 200 miles of three of the five largest skiing and snowboarding markets in the U.S. (Boston, San Francisco/San Jose, & Seattle). Resorts include Northstar-at-Tahoe and Sierra-at-Tahoe in California, Waterville Valley, Cranmore Mountain Resort and Loon Mountain in New Hampshire, and the Summit-at-Snoqualmie in Washington. During the 2003-2004 season, Booth Creek collectively hosted approximately 2 million skier days while employing nearly 4,400 people during peak season

Scott worked under my supervision as E-Business Manager at Booth Creek Resorts. His most notable achievements were the E-Commerce and CRM systems that he wrote which took the company from \$0 to over \$10,000,000 yearly for all of our resorts and sent and tracked over 1 million e-mails per year. His creative use of Open Source products and the ability to integrate them with existing Microsoft and other in-house solutions has saved the company substantial amounts of money over the course of the last five years. An eight-month project that he designed and played a key role in last summer, converted all of our credit card and loyalty processing to a new system that is saving the company an estimated \$140,000 in it's first year.

Scott fully understands all facets of a project and provides complete, reliable, solutions. Scott's systems provided a superior security record and 99.9% uptime. One of his greatest strengths lies in his ability to learn new technologies, languages and concepts, along with their application in the many problem-solving situations faced in a heterogeneous enterprise environment. Over the course of his employment, Scott introduced many new infrastructure improvements to the Information Technology department including source code revision control, automated problem tracking systems, fault tolerance, network monitoring and security.

Overall, I sincerely believe that Scott has the necessary technical skills to make technology work for business and I would recommend him for any senior-level developer/Information Technology position. Scott has been a definite asset to our company.

Sincerely,

Frank Richey
Director Information Technology
Booth Creek Ski Holdings, Inc.