Randy Fay

848 Montclair Drive
Palisade, CO 81526 USA
+1 970.462.7450

Email: randy@randyfay.com
Site: randyfay.com
Portfolio: randyfay.com/portfolio

Profile:

A history of successful Android/Java, web development, network development, troubleshooting, support, and software development efforts using Unix (Linux, etc.), MacOS and Windows platforms.

- **Android app development** (java): Implemented significant updates in a widely used app, including Google Maps support, API access, UI redesign, etc.

- **Drupal/PHP Development:** Maintained many modules and provided core patches on Drupal.org and active community member. Presenter at several Drupalcons and other events.

- **Education and Training:** Formally trained in secondary education, always active in training and mentoring others. Presenter at recent Drupal conferences.

- **Network Development and Support**: Windows and Unix Network and System Administration, TCP/IP, DHCP, Samba, Sendmail, NIS, Automounter, git, Web servers including Nginx, Apache, others.

- **Programming Languages**: PHP, Java, Ruby+Rails+Cucumber+RSpec, Javascript/jQuery, C#, C++, C, Perl, Java, Unix Shell, Awk, SQL, XML, XSLT.

- **Internet Development**: HTTP, HTML, CGI, NNTP, DNS, Proxy servers, Routing (RIP/OSPF), Apache. BSD Sockets, extensive TCP/IP in general, PHP, MySQL, LDAP design and implementation.

- **Windows Development**: Visual C#, .net, C++/MFC, Kernel-mode device drivers.

- **Windows Administration**: Windows Server 2003 Active Directory, DHCP, DNS, WINS, Windows Exchange 2003.

- **Database development and administration**: Mysql, MS SQL Server.

- **Unix Development**: Network software including protocol-level development, Kernel development including Streams Device drivers (Solaris), Informix ESQL, Lex/Yacc

- **Unix Administration**: TCP/IP, DHCP, Samba, Sendmail, News, NIS, Automounter, RCS revision control, Puppet, etc.

Experience: 2003-present: Randy Fay, LLC (principal), Palisade and Denver, CO
Drupal development and hosting, website development, Android app development

- Web development in Drupal/PHP, Ruby/Rails with MySQL and SQL Server 2000 backends.

- Software Development Best Practices consulting

- Virtual PC and Virtual Server deployment for infrastructure, test, and development

2001-2003: Sybase Corp, Englewood, CO
Senior Staff Software Engineer (Windows/Solaris/HP-UX/AIX environment)

- XML Development and design including XSLT, DOM, SAX, and related technologies.

- Instituted many intra- and inter-team communications initiatives

- Promoted/evangelized quality software techniques

- Maintained, documented, and stabilized a core component of the architecture..

1997-2001: Peak Software Solutions, Littleton, CO
Senior Software Engineer (Solaris development environment)
IT Department Head (Solaris, Linux, and NT Planning, Design, Implementation)

- Designed and developed wireless communications solutions including TDMA Circuit IWF.

- Designed and implemented network and system infrastructure for the company, including layer 2 switching, routing, security, DNS, automounter, sendmail, NIS, backups, and extensive policies and procedures development.

1996-1997: Platinum Technology, Inc., Englewood, CO
Senior Software Engineer (Windows NT 4.0 and Unix mixed environment)

- Designed and developed Windows NT Kernel-mode Device Driver as core component of network sniffing analysis tool.

- Developed MFC configuration tools.

- Unix & NT System Administration. Implemented DHCP, WINS, web server, dial-up, backups for entire network. Implemented web-based bug tracking system. Supported DNS, NIS, Samba.

1996: Standard & Poor's Compustat, Englewood, CO
Senior Systems Analyst (Windows 95/NT Visual C++ Environment)

- Conceived, architected, designed, and led a team to implement a completely new Internet (HTTP) product running on Win95/WinNT.

- Successfully promoted Internet solutions to various marketing and information delivery problems.

1991-95: Evolving Systems, Inc., Englewood, CO
Senior Software Engineer (Solaris and A/IX Unix Environments; C/Perl/Tcl)

- Designed and developed kernel-level communications software for the emerging CDPD (Cellular Digital Packet Data) technology, resulting in successful delivery of a CDPD MD-IS system running on in a Sparc/Solaris environment.

- Led teams to develop various Telco software solutions under A/IX.

- Developed extensive Intranet information-sharing resources to promote internal communications.

1991   Minicomputer Systems   Boulder, CO
Senior Software Engineer (Unix/C and MS-DOS)

1988-1991   Technical Comm. Services   Denver, CO
Principal, Software Developer, Manager (MS-DOS, Macintosh; C)

1982-1988   CSI   Denver, CO
Software Developer (C and BASIC, Embedded systems)

Education: MSCS, University of Colorado at Denver, 1996
BA History/Education, Adams State College, 1980.
Secondary Teacher Certification