

Greg Albrecht  
Software Engineer  
San Francisco, CA  
310-621-9598  
[gba@gregalbrecht.com](mailto:gba@gregalbrecht.com)

## OBJECTIVE

To obtain an engaging software engineering position that takes advantage of existing and expanding skills, and allows opportunities for continued growth and development.

## SKILLS

### Software Development

QA, Performance Testing, Continuous Integration, Code Coverage, Release Engineering, Refactoring, Code Audit and Code Review.

### Languages

Python, Perl, PHP, Shell scripting in BASH, C and C++.

### Operating Systems

Linux, Mac OS X, FreeBSD, SunOS, Windows, AIX, HP-UX.

### Network Services

Authorization & Authentication – 802.1x, RADIUS, TACACS, LDAP, Kerberos, SecurID. High Availability – VRRP, HSRP. Routing – BGP, OSPF, RIP. QoS – 802.1p & DiffServ. Voice – VoIP: H.323, SIP, MGCP. HTTP – Apache, Apache+SSL. DNS – BIND, djbdns. SMTP – Postfix, qmail, Sendmail. Monitoring – SNMP, RMON. NAS – Samba, NFS. Other – DHCP, BootP, NTP.

### Network Administration

Juniper J4350 Series Routers. Cisco 1600 – 12008GSR Series Routers. Cisco Catalyst, Extreme, Alteon, Foundry & 3com Switches. Cisco PIX, SonicWALL, Firewall-1, NetScreen, PF, IPF, IPFW, IPTables & IPChains Firewalls & VPNs. Cisco, Altigen, NexTone, Telica & Software VoIP Systems.

## EDUCATION

Over 12 years experience in the field.

Carnegie Mellon University -

Computer Security Incident Response Team Course (CSIRT)

Juniper Networks - Operating Juniper Networks Routers in the Enterprise (OJNRE)

CheckPoint Security - CSA & CCSE

Edward Tufte - Presenting Data and Information

City College of San Francisco - 3.9 GPA

Greg Albrecht  
Software Engineer  
San Francisco, CA  
310-621-9598  
[gba@gregalbrecht.com](mailto:gba@gregalbrecht.com)

## PRESENTATIONS

Counterpane Security -  
2000 Panel on practicality of granular firewall-ing and IDS restrictions.  
ZDTV's "The ScreenSavers" – Windows Security Demonstration  
DEFCON 8 – LDAP Security Models  
Schematic Employee Technical Conference -  
"Building Scalable Web Application Platforms"

## WORK HISTORY

Senior Software Engineer - Splunk  
As quality assurance lead I am responsible for testing 1/3 of the core software functionality of our enterprise software product. Daily responsibilities include triaging continuous integration results, gauging code quality and coverage, planning and maintaining test code, and creating test plans. In addition to my QA role I build tools, modules, and libraries used throughout the engineering department.  
August 2008 - Present (2 Years+)

Manager, Global Network Operations – Schematic (a WPP company)  
Architect and built several high availability web application and content management & delivery systems for big-5 media companies. Managed the day-to-day enterprise operations of a multi-national network. Oversaw a team that maintained 80+ FreeBSD, Linux and Windows Server 2003 systems running enterprise applications. Coordinated the transition of co-location facilities. Implemented network security, performance and service monitoring; implemented trouble ticketing systems for several departments. Established an instant messaging system, document collaboration system and spam filtering system. Fully integrated all enterprise applications in a unified Microsoft Active Directory authentication and authorization system. Managed the deployment of nation-wide, multi-location MPLS network that utilized QoS to ensure delivery of business critical VoIP traffic as well as rich media for clients.  
May 2005 – August 2008 (3 Years)

Network Engineer – BackBone Communications, Inc.  
Developed VoIP to TDM network to handle an average of 2.5 million minutes-per-month of both in bound and outbound, international & domestic voice traffic. Managed the replacement of legacy frame-relay networks with nation-wide MPLS networks for financial services, educational and content delivery clients. Implemented corporate security policies. Performed physical installation of leased-line equipment for clients both in-house and on-site.  
January 2004 – April 2005 (1 Year, 3 Months)

Greg Albrecht  
Software Engineer  
San Francisco, CA  
310-621-9598  
[gba@gregalbrecht.com](mailto:gba@gregalbrecht.com)

IT Manager – Ligos Corporation

Managed day-to-day IT operations in branch office and co-location facilities, including maintaining web services and enterprise applications. Developed and deployed new on-line store back-end system.

January 2002 – January 2003 (1 Year)

Security Engineer – OneSecure, Inc.

Coordinated the design of 24/7/365 Security Operations Center, including high availability network, and associated infrastructure. Maintained and researched security vulnerability archive and lab. Statistical and risk analysis of network traffic, along with forensic and fallout research of intrusions. Deployed LDAP based network services back-end. Designed and deployed secure client messaging system.

April 2000 – July 2001 (1 Year, 3 Months)

Network Engineer – Route 1 Solutions, Inc.

Designed, implemented, upgraded and documented networks for a wide range of customers. Chief duties included security audits, server and firewall configuration, network hardware installation, security implementation with firewalls and VPNs, and high availability network design.

December 1999 – April 2000 (5 Months)

Systems Administrator – Atlantic Internet, Inc.

Responsible for most aspects of building and maintaining a full service regional Internet Service Provider, including purchasing, installation and configuration of remote access systems providing over 1000 dial-in lines for 4000+ customers across 5 regionally diverse locations. Lead team in charge of merging other acquired service providers networks and customer bases into our own.

June 1998 – December 1999 (1 Year, 6 Months)

## INTERESTS

My interests are varied and broad, currently focusing on volunteer service through the American Red Cross' Disaster Services team in a role as Disaster Communications Lead.