<p style="text-align:center">**Resumé for <u>Devdas Bhagat</u>**</p>

<u>Contact information:</u>

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<u>Summary:</u>

Unix System Administrator having 9.6 years of experience with some programming and networking knowledge.

<u>Skills summary keywords:</u>

Email, LDAP, DNS, Configuration management, Relational Databases, Networking, Logging and log analysis, programming, reliability, high performance, security.

<u>Detailed keywords:</u>

Postfix, Courier-IMAP, Cyrus-IMAP, BIND, BIND-DLZ, PowerDNS, Puppet, PostgreSQL, BGP, routing, plpgsql, syslogd, Nagios, SNMP, Linux, FreeBSD, Perl, C, memcached, OOP, OpenLDAP, Apache, Squid, Shell programming, SQL, Slony, Cisco, DHCP, iptables.

<u>Programming:</u>

Languages: Perl, C, POSIX Shell,SQL, PLPGSQL

<u>Other minor skills:</u>

I can read and debug C++, PHP and Java code.
I know a bit of LaTeX, CSS and HTML.

<u>Professional memberships:</u>

LOPSA: Member ID 11305
ACM: Member ID 6953969

Employment history:

March 2007 –now: **System Architect at Directi**.
My responsibilities currently include the **antispam systems at Directi, the configuration management system, the production PostgreSQL databases and the new DNS system**.

The configuration management system uses Puppet and subversion to maintain systems in a consistent state. Deployment time has gone from 7 days to 4 hours as a result of this. The number of complaints due to buggy configuration has gone from three to four per day to zero. This has also resulted in a reduction of system administrator time per week per individual from 60+ hours to 40 hours for the 32 people in the sysadmin group.
As a result of the antispam systems I have deployed, Directi's customers have a 90%+ reduction in inbound spam. Using my contacts in the email industry, I have also managed to get Yahoo! not to block Directi's mail and web servers even when they are abused by customers.
I proposed and tested out PowerDNS for the nameservers for the pw ccTLD.
Other minor contributions include a fellow-admin driven training program for colleagues and getting system administrators and developers to work as a single team for product development, with sysadmins being both programmers and stakeholders on various projects.
As a personal achievement, I was responsible for nuking 18000 domains belonging to the Russian Business Network, along with a few thousand belonging to the Canadian Pharmacy gang from Directi's domain registration services.

May 2004 –March 2007:   **Part time abuse desk employee for Outblaze**
My responsibilities included **responding to abuse complaints**, **locating and terminating phishing accounts** on Outblaze mail and web servers and acting as **backup mailadmin.**

I also worked on log analysis of Postfix logs, generating reports as various graphs. I was also hunting down spammer pattterns in registrations and spam to enable bulk termination/blocking.
I also wrote content for the Outblaze antispam website.

December 2002 –March 2007:   **Consultant with Pixel computers**
Here, I was required to setup Linux systems for SMEs covering fileservers, mail, webservers, database servers, firewalls and backups.

I was responsible for two major products at Pixel:
(A) A **bandwidth management, billing and reporting system** for small ethernet based ISPs based on ntop, Perl and PostgreSQL. This included integration with a **transparent web proxy**.
(B) A **custom taxi management/routing system** for Celcabs in Bangalore. This was done with **Perl/Gtk2 and PostgreSQL.**

I have also helped out a local ISP with controlling the Welchia problem (they ended up being the first ISP in Bangalore blocking 92 byte ICMP packets throughout the network).

June 2000 –July 2002:   **System and network administrator at Worldgate Networks Private Limited.**

   I was responsible for writing, implementing and enforcing Acceptable Usage Policies.
   Additionally, I was also in charge of the DNS, email, web-proxying, RADIUS, firewall and routing policies. Worldgate networks was one of the first ISPs in India to block port 25/tcp outbound as well as having it's entire network with matching forward and reverse DNS.
   I designed and implemented a billing system for the dialup service based on FreeRADIUS and PostgreSQL. I worked with a colleague in implementing a custom webmail solution, and a LDAP based virtual hosting backend.
   I have also configured a Terayon CMTS at this time.

Other minor skills:
   I can read and debug Java, C++ and PHP code.
   I know a bit of LaTeX, some CSS and HTML.
   I understand basic programming concepts including object-oriented programming, procedural programming and functional programming, including the design patterns each style implies.

Talks and conferences:
   Talks at LCA 2010 on **Statistics and Benchmarks**, and on **Refactoring large HA PostgreSQL databases**
   Talks at LCA 2009 on **Database backed DNS servers** and **Automating System Administration**
   Talk at SANOG X on system automation.
   Tutorial at the SANOG IX conference covering spam control, security and mailserver issues.
   Lead the BoF session on spam prevention/migitation at SANOG VII
   Security and Email at FOSS.IN/2005.
   The **PostgreSQL port of Spamikaze** at SANOG V.
   Truly Transparent proxying with Squid on Linux at SANOG IV.
   Conducted tutorial on **spam fighting using Postfix** at APRICOT 2004.
   Conducted tutorial on **network abuse prevention** at SANOG III.
   Spoke about **security, virtual mail hosting, and databases** at Linux-Bangalore 2003 and 2002.

Trained in:
   Underwent **Cisco training from Cisco India** in advanced networking in January 2004. We covered **OSPF and BGP in ISP environments.**
   Attended the Juniper workshop on routing (configuring **BGP on JunOS**) at Dhaka in Februrary 2005.

Other experience:
   Administrator of the Linux-India User groups and the Mumbai LUG.
   I am also a chanop in ##linux-india and #postfix on the Freenode IRC network.