

Michael S. Doty

176 N. Frances St
Sunnyvale, CA 94086
+1 650 515 9517

kingtaco@gentoo.org

- PROFILE
- ◇ More than ten years experience designing, building, and administrating a diverse group of computing environments, ranging from small office networks through large multi-site clusters. Proven track record in creative problem solving. Strong team management skills. Established open source developer with many upstream contributions. Exceptional skills in threat analysis and intrusion prevention.
- EXPERIENCE
- ◇ **Lead Systems Engineer**, Global Netoptex, Inc. (June 2008 – current)
 - Day to day management of Systems and SAN engineering teams.
 - Evaluate, develop, and recommend technology products and platforms to provide cost-effective solutions that meet business and technology requirements.
 - Assess business and technology initiatives, providing consultation, technical support, and recommendations to deploy the best solution for our customers.
 - Perform root cause analysis for hardware and OS failure.
 - Perform capacity planning and application analysis customer deployment.
 - Provide initial and ongoing consultation to clients to best develop their infrastructure for their application.
 - Manage and deploy large IBM Bladecenter environments.
 - Maintain and extend multi-distribution PXE kickstart environment for rapid server deployment.
 - Develop and maintain a multiple site monitoring solution using Nagios.
 - Administer and provision IBM DS4800 and Brocade Silksworm SAN Fabric.
 - Project based consultant for customers.
 - ◇ **Sr. Developer**, Gentoo Linux (November 2004 – current)
 - Strategic lead for the AMD64 group (up to 40 members). Responsible for the long term goals and management of the group.
 - Member of the elected Council for the 2006-2007 term. Responsible for creation of the Code of Conduct.
 - Operations manager for Gentoo Linux infrastructure. Responsible for day to day management of all infrastructure aspects and the infrastructure team. Point of contact for external sponsors and donors.
 - Created the “Arch Tester” management framework. This productivity tool created a formal structure around external user contributions. It has been widely adopted by other groups in Gentoo Linux.
 - Member of the Embedded team. Work mainly includes testing and porting with various ARM and PPC boards.
 - Contributed many patches and bug-fixes to various teams within Gentoo and with upstream developers.

- ◇ **Chief Information Officer**, Spokeo, Inc. (November 2006 – April 2008)
 - Point of contact for all vendors, service providers, and hardware providers.
 - Responsible for all hardware and services procurement.
 - Designed and implemented multiple production clusters, using an Apache + RoR + MySQL stack.
 - Designed and implemented production networks with N+1 and complete redundancy.
 - Designed and implemented distributed computing network.
 - Maintained production, beta, and internal clusters and networks.
- ◇ **Sr. Systems Engineer**, Tavros Technology Services (August 2005 – November 2006)
 - Designed and built in-house network based on Gentoo Linux servers.
 - Maintained firewall rules, DNS, and web services.
 - Developed and implemented trading gateway systems for automated trading software.
 - Developed and implemented automated trading frameworks in Python.
- ◇ **Sr. Systems Engineer**, Flexible Solutions, Inc. (September 2002 – August 2005)
 - Golden Touch GT/LW Point of Sale (POS) system
 - Designed and implemented: POS workstation user interface; multi-site remote database communication protocol and libraries; credit card software interface; various back end utilities.
 - Configured server and workstation environments.
 - Rebuilt server images from the ground up using Gentoo Linux.
 - Wrote many patches for the Golden Touch DOS POS app.
 - Administered and designed in-house network containing both Windows 2000 servers and linux servers.
 - Provided 3rd level support for GT/LW systems, GT DOS systems, PC Charge credit card processing, network installations, DSL connectivity issues, kiosk applications, and website maintenance.
- ◇ **Consultant** (June 1998 – September 2002) Clients included: Kraft Foods, Chase, R.R. Donnelly, Pactiv, and FERS.
 - Network administration & engineering.
 - Systems design.
 - Software development.
 - Hardware support.
- ◇ **Support Technician** Loyola University Chicago (October 1997 – March 1998)
 - 1st and 2nd level help desk support.
 - Developed internet connectivity tools for students and faculty.

SKILLS

- ◇ **Languages:** ANSI C, C++, x86 assembler, x86_64 assembler, m68k assembler, MCU assembler, Pascal, Visual Basic, Visual C++
- ◇ **Scripting:** perl, bash, awk, sed, python, tcsh, asp, html, L^AT_EX, groff, troff
- ◇ **Operating Systems:** Linux (Gentoo, Redhat, CentOS, Debian, Ubuntu, Suse), DOS, Microsoft Windows (9x-XP), Solaris/SunOS, Netware (3.x/4.x), DOS
- ◇ **Database:** PostgreSQL, MySQL, Pervasive.SQL

EDUCATION

- ◇ **Loyola University Chicago:** Two semesters of courses towards a degree in Computer Science