

# CONSULTANTGURUS LLC

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## MANI AKELLA (CISSP)

email: mani (at) consultantgurus.com

**Experienced IT Security professional** - 360° view of enterprise operations, with experience in network, system and application security management for high-tech startup companies and large-scale, complex organizations, especially global financial organizations (25,000+ employees).

**Experienced project manager** - For Security setup of data centers, Internet-facing application farms, assembled cross-functional teams, and managed project lifecycle (definition, design, engineering, development, testing, provisioning, documentation, support).

**Customer/vendor relations manager** - Excellent communications, team-building, and conflict management skills. Diplomatically resolved issues involving vendors (international telecom leaders), internal customers, and client companies.

### Professional Summary:

- Security professional with experience in risk management, regulatory compliance, and identity, authentication and authorization management
- Project Manager / Architect with extensive experience managing large-scale, enterprise-wide infrastructure projects
- Experienced Web and System Security Analyst
- Certified Solaris Administrator - certified by Sun Microsystems
- Microsoft Certified Professional (Windows NT 4.0)
- Total experience of fourteen years encompassing:
  - **Risk Management, Business Continuity, Compliance and project architecture** – Designing security structures and architectures following standard compliance and risk management practices; adapting existing infrastructures to new security technologies – especially with M&A activity
  - **Web and E-commerce Security:** Secure Single-sign-on, Web Security (Netegrity SiteMinder, Tivoli Identity Manager and Tivoli Access Manager, Entrust GetAccess), Entrust PKI Administration, Certificate Management, ACE Server/Client management
  - **Firewalls/Security:** Checkpoint Firewall1 (on Sun Solaris), NAI Gauntlet (on Sun Solaris), IPF, Packet filters, IDS, securing Solaris systems, OS hardening (Solaris, Linux, Windows NT/2000/XP) Web Server Hardening (Apache, Netscape/iPlanet, IIS), LDAP and proxy servers
  - **Administration:** installing, maintaining, upgrading and trouble shooting Sun Sparc Systems - System Administration, Networks Administration, Web Administration and Database Administration, Jumpstart Server Administration, System Engineering
  - **Firewalls/Security:** Checkpoint Firewall1 (on Sun Solaris), NAI Gauntlet (on Sun Solaris), IPF, Packet filters, IDS, securing Solaris systems, OS hardening, LDAP and proxy servers
  - **Networks:** LANs/WANs, Routers, Switches, VSATs, and Firewalls
  - Shell Scripts, Perl, C and Java programming
- Extensive experience of UNIX kernel configuration, performance tuning, installation of software, compilers, system administration and network administration tools, performance analysis and crash recovery of data at OS and RDBMS level.
- Simulating, solving and analyzing escalated hardware problems, operating system and RDBMS related calls at the head office for effective customer support.

### Professional Experience:

#### **Technical Director – Consultantgurus Inc.**

- Directing the Information Security practice of Consultantgurus, targeting the security practices of SMBs
- Responsible for the technology and education selection and direction for the consulting practice.
- Budget management to achieve the stated goal of reducing customer costs by 15% while improving productivity by at least 20%
- Managing the public relations aspect of Consultantgurus as the company strikes out in new directions in the security and compliance spaces

#### **Web and Perimeter Security Project Manager – Consultantgurus Inc.**

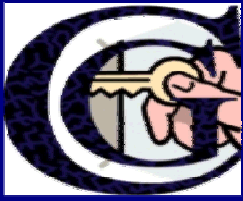
- ❖ **Barclays Capital (February 2006 – Current)**

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- Risk management and compliance – working with new division acquired through M&A – designing and integrating DMZ and security infrastructures into current standard infrastructures
- BCM (Business Continuity Management) coordinator for all perimeter security infrastructures and processes for the Americas
- Security (Web and Perimeter Defense) role – involves working with various Security Devices/methodologies for web and perimeter security support. Includes:
  - Firewalls: Sunscreen, Checkpoint and Fortigate
  - Web Servers: IIS, Apache, Netscape
  - Proxy Servers: iPlanet/SunOne
  - LDAP servers
  - Cisco VPN Server and Client (both IPSec and SSL)
  - Cisco Router security
  - Host hardening (Solaris, Linux and Windows)
  - Virus and blocked content screening
  - IDS (intrusion detection system) installation and management
  - IPS (intrusion prevention system) installation and management

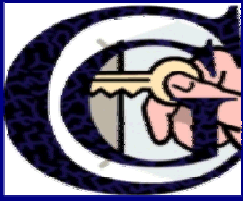
## System and Security Consultant – Sunrise Systems Inc.

### ❖ JP Morgan Chase (July 2001 – January 2006)

- Infrastructure Architect / Solutions Developer role – involves working with various Application Developer Teams, project and program managers and Risk Management to design infrastructure solution designs for new/upgrade project requirements while ensuring Firm's systems and risk management guidelines are strictly adhered to.
- Application Security Role: Entrust GetAccess single-sign-on product maintenance and engineering for application security
  - Web Server (iPlanet/Covalent Apache/IIS) hardening, maintenance and security scanning
  - Content scanning (virus/bad scripts/insecure scripts/malicious content)
  - Customizing web servers and getAccess per client requirements
  - Installation of Entrust Digital Certificates and Entrust PKI setup
  - ACE server/Client setup and management

### Key achievements:

- Responsible for large-scale merger inter-Bank and intra-Bank infrastructures, including applications and implemented the same for web applications, security applications, firewalls and network equipment.
- Currently architecting migration of GetAccess infrastructure and business rules to SiteMinder infrastructure (GetAccess 4.0 to Siteminder 5.5)
- Scripted host discovery and resultant security/functionality remediation of hosts for multiple OS'es (MS Windows/RH Linux/Solaris)
- Engineered a plugin to add two-factor authentication using Entrust client certificates to Entrust GetAccess for selected users automatically.
- Created scripts and processes (shell/perl/java/SQL) to parse GetAccess and PKI logs and generate security report in MS Excel spreadsheets and graphs.
- Automated import of Gauntlet and ipf firewall rules into flat files and export to FW1 rules.
- Created scripts to fully automate GetAccess runtime migration from version 3.2 to 4.0, and implemented upgrade project for 400 runtimes over two consecutive weekends.
- Exceeded expectation in bringing project completion in record time and under budget to harden iPlanet web-servers
- Created continuous monitoring scheme to monitor web-servers for vulnerabilities and report real time on a web-page.
- Created and implemented training program for Service Delivery personnel to train them on updates to GetAccess, Entrust PKI and Solaris security
- Scripted latency tests for web and network infrastructures using Mercury LoadRunner and Radview WebLoad. Also created application tests using SPI Dynamics WebInspect.
- Scripted automated tests for security vulnerabilities using Nessus, MBSA, HFNetChk, GFI Languard, Tripwire, AIDE and Big Sister (for system monitoring)



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## ❖ A&E Television Networks (May 2001 – June 2001)

### Security Consultant:

- Established internet security guidelines and trained staff on best practices
- Managed security compliance project, including NAT and DMZ design and implementation
- Checkpoint Firewall-1 installation and rule creation
- Solaris System installation, OS hardening, OS and network tuning, Sendmail and DNS (Bind 8.x and Bind 9.x) concepts, Proxy and LDAP servers
- Content scanning (virus/malicious content) , PKI and Digital Certificates
- Cryptography – concepts and applications

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## ❖ Alliance Capital Management (January 2001 – May 2001)

### Security Consultant :

- Managed integration of Sanford-Bernstein internet and security infrastructure into Alliance Capital's infrastructure
- DM Z design and implementation
- NAT design, migration and implementation/ Installation of Digital Certificates and PKI setup
- Firewall-1 installation and maintenance
- Solaris System installation, system hardening, OS and network tuning / Sendmail and DNS (Bind 8.2.3 and Bind 9.1.0) installation, configuration and securing
- Firewall migration from Gauntlet on Solaris and BSDI to Checkpoint FW1 on Solaris
- Content scanning (virus/malicious content)
- Installation of CacheFlow proxy servers

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## ❖ UPS (June 2000 – December 2000)

### Security Consultant/Project Manager:

- Managed Solaris System installation, system hardening, OS and network tuning, jumpstart administration / Sendmail (8.9.x) and DNS (Bind 8.0.2) installation, configuration and securing
- IDS implementation (Snort, Tripwire) and OS Hardening – Windows NT, Sun Solaris
- Proxy and LDAP servers – performance and security improvements
- System re-engineering and kernel /application tuning
- Cryptography – ssh, sftp and Installation of Digital Certificates and PKI setup
- Content scanning (virus/malicious content) and Firewall-1 maintenance

## • Pearson Education, Inc. Manager, Systems (March 1997 – May 2000)

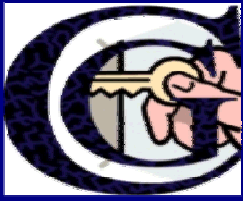
### Manager of Internet Infrastructure Group:

- Managing a team of System/Database/Network Security engineers – including annual budgeting, cost control, regular individual and team appraisals, team-building activities, project management, time and cost analysis for various projects, personnel requirement definitions, time and equipment planning
- Capacity planning and system configuration/performance tuning for VLDB and large web server farms
- Netscape/ Apache/ IIS Web server installation/maintenance/performance tuning
- Vignette Story Server (ver3.5, 4.1,4.2) installation, maintenance, troubleshooting, tuning, upgrades
- Raptor firewall installation, maintenance and administration on Sun Solaris
- Checkpoint Firewall1 installation and testing on Sun Solaris
- ColdFusion (ver4.0, 4.1, 4.5)/NetDynamics/AolServer installation and maintenance

## Datacraft RPG (January 1995 – February 1997)

### Technical Support Manager/Network Architect :

- Designed and implemented WAN as per customer network case study and cost analysis.
- Setup remote offices for support of remote clients (Calcutta/Dhaka) – involved locating office space, hiring of staff, equipping office, creating and working with operating budgets, setup of staff appraisal systems, setup of office and client support and sales networks
- Installed and commissioned VSAT/X.25 networks based on Heterogeneous network operating systems and networking protocols, System integration as per customers' network requirement.



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- Netscape/ Apache/ IIS Web server installation/maintenance/performance tuning
- Performance tuning and monitoring customer network availability.
- Conducted corporate Training on VSAT, WAN Protocols and Network Operating System.
  
- **Employer: Wipro Infotech Limited (September 1990 – December 1994)**
- **Systems Engineer:**
- Sun Solaris Server Administration, Network administration, and Unix LAN/WAN Infrastructure maintenance/Solaris server tuning for file system performance/Solaris Kernel tuning
- Oracle/Sybase/Unify database administration
- Designed and implemented WAN as per customer network case study and cost analysis.
- Support for remote locations, WinNT Server / clients at remote sites and WAN links over TDM/TDMA, DAMA/PAMA VSATs, Leased line international connectivity over frame relay protocol, Dial up network at Non VSAT locations.
  
- **HCL Computers Limited (July 1989 - August 1990)**
- **Systems Engineer:**
- Installation of UNIX Operating System and configuration.
- Installation of Apollo NEXUS CAD stations.
- Network Designing
- PC Hardware installation and maintenance
- Developed custom solutions combining LAN, WAN and telephony technologies to meet customer needs in mixed legacy equipment environments. Installation, Maintenance of LAN and WAN connectivity, Modem connectivity for remote operation.

## Education:

- 2007: MS in Information Assurance – Norwich University, VT
- 2007: CISSP from (ISC)2 – Certificate # 100038
- 1998: Oracle Certification: Advanced Database Administration and Tuning
- 1997: Microsoft-Certification – MCSE
- 1996: Sun-Certified Solaris Administrator
- 1990: Bachelor of Engineering – JNTU Institute of Technology (Electrical and Electronics Engineering)