

Resume

Bhushan Manekar

U7 270 Burnley Street, Richmond, VIC 3121

Mobile: 0422 439 812

Email: bhushan8805@gmail.com

LinkedIn: <http://au.linkedin.com/in/bhushanmanekar>

Personal web: <https://bhushanmanekar.pw>

Availability: 4 weeks' notice

Career overview

Currently working as a Technical Lead, and Project Manager for Network2Share Pty Ltd since over 6 years. Earlier I worked as a System Administrator at Backup247 Pty Ltd. I have done Masters in Computer Network Systems from Swinburne University of Technology, 2011.

Employment summary

- More than 5 years of Australian work experience in System Administration, with a strong background of architecting IT infrastructure.
- Working as a **Technical Lead**.
- Excellent interpersonal skills and the ability to communicate effectively.
- Strong background in project management.
- Worked as Software Build & Release Manager.
- Over 3 years of experience in technical support from Level 1 to 3; and have achieved 100% customer satisfaction.
- Excellent in customer facing roles. Can comfortably handle stressful situations.
- Expert in architecting as well as deploying **scalable cloud infrastructure** in **Amazon VPC**.
- Experienced in deploying High Availability solutions using AWS Cloud Computing.
- Strong background of Linux, and bash scripting
- Experienced with deploying Windows Servers / **Active Directory (AD)** / **GPO**.
- Experienced in setting up enterprise grade firewalls like WatchGuard XTM
- Experienced in virtualization platforms like VMWare, Citrix and Windows Hyper-V
- Excellent in planning **infrastructure migration** with **no** or minimum downtime. Also, experienced in migrating mail servers with **zero downtime** and **no email loss**.
- Hands on experience with Dell Modular Disk Arrays (SAN); configuring RAID 1 to 6.
- Working as a Project Manager, leading a team of 6 software engineers, around 2 years following Agile and have proven excellent time management skills.

Technical skills

Server operating systems: Linux (Red Hat, Centos, Ubuntu), Windows (2003, 2008 R2, 2012)
Desktop operating systems: Linux (Ubuntu), Windows (XP, 7, 8, 8.1)
Cloud platforms: AWS – VPC, EC2, S3, RDS, Aurora, ELB, Route53, IAM, Glacier, *and more*
Servers & administration: Active Directory, Exchange server, MySQL, MSSQL, IIS, Apache (httpd), Nginx, OpenSSH, DHCP, DNS, VLAN, Memcached, Scalr, VPN, VMWare Hypervisor, Citrix XenServer, Hyper-V, CollectD, RabbitMQ Server, Nagios, Postfix, *and more*
Firewalls: Watchguard XTM, Netgear enterprise firewall
Project Management tools: Redmine, Jira, Trello
Server management: Virtualmin, Plesk, cPanel
Version control: Git, SVN
Deployment: Chef, Jenkins CI
Scripting (programming): Bash (Linux), Batch (Windows), PowerShell, PHP, Pascal, HTML, SQL + Stored procedures

Soft Skills

- 'Can do' attitude.
- Proactive and target oriented
- Excellent communication skills
- Self-motivated and hard working
- Good in maintaining positive and enthusiastic attitude under pressure
- Fast and effective learner
- Versatile team member

Employment history

Technical Lead
Network2Share Pty Ltd, Australia
<https://network2share.com>
August 2012 to (present)



The company:

Network2Share is a software development company. We work on an online/collaborative file sharing software application similar to Dropbox but mainly targeted to corporates. The software is fully capable of identifying & filtering file system events to perform file synchronization between multiple computers hosting data at hybrid cloud storage. We have successfully achieved an innovation patent for the algorithms I designed (<http://goo.gl/KUuL0A>). This project is also featured with centralised management web console to perform administrative tasks like managing users, storage spaces, invoicing, data et al.

Responsibilities:

- As a **Technical Lead (AWS)**, my responsibilities are:
 - Deploying auto-scalable cloud infrastructure using Amazon Web Services. Main technologies were used are – **Ubuntu Servers, Auto Scaling Groups, custom Launch Configurations with detailed Monitoring & Health Checks.**
 - Deployed **Route53** for internal & external DNS queries that are handled as per latency. Also implemented health checks for governance.
 - Deployed **Elastic Load Balancers** for traffic distribution in multiple EC2 instances.
 - Have setup **Continuous Deployment** using **Git**. Bash was used for automatic deployment scripts.
 - Custom configured Ubuntu AMIs were used for service delivery.
 - Implemented a Fully Automated infrastructure management server to perform daily routine tasks like 'scale up/down the EC2 instances based on traffic', 'cleaning unnecessary rules (created during auto-scaling) from security groups'
 - Deploying backup & archival strategy using Amazon **S3 & Glacier**, with custom versioning & retention.
 - Hands on experience in managing **IAM** policies.
 - Deployed HA MySQL instances to ensure business continuity.
 - Small example diagram of AWS deployment (very basic/high level):
<https://bhushanmanekar.pw/content/InfrastructureOverview.pdf>
- In the same role, I have also worked as a **Solutions Architect** with following responsibilities:
 - Architecting **data synchronization strategy** between multiple clients & servers.
 - Design data backup, and **High Available solutions** built into the software.
(We have submitted patent application for this tech, it's currently being processed).
 - Architecting communication strategy between various endpoints like desktop clients, storage servers, authentication layer.
 - Designing integration with various 3rd party applications like Active Directory
 - Implement data encryption strategy on client's workstation, and servers to maintain encryption standards during data transfer & at rest.
- In the same role, I have also worked as a **Project manager**, with following responsibilities:
 - Requirement
 - Conducting meetings with C level personnel
 - Risk assessment
 - Managing software development using Agile standards

- Preparing Gantt charts, updating them weekly based on daily developers meetings.
- Overseeing cost & billing; and making sure that Amazon AWS infrastructure scales considering budget.
- Managing software releases / hotfixes. Building software installation packages.
- Mentoring team to make use of tools like **Git**, **Git Flow**, **Vagrant** and **PuPHPet**.
- Working with **IP Lawyers** to produce documentation for **Software Innovation Patent** filing (patent details = <http://goo.gl/KUuL0A>).
- Software tools used for improvise management: **JIRA**, **Redmine**, **Trello**, **Slack** etc.

System Administrator
Backup247 Pty Ltd, Australia
<https://backup247.com.au>



Full time: July 2011 to (present)

Part time: August 2010 to July 2011 (1 year)

The company:

Backup247 is an online data backup company which resells a Hong Kong based Backup Software Ahsay & provides cloud storage to customers including individuals, and SMBs. The cloud storage is accessible through a backup client software which is capable of backing up **Mail Servers (MS Exchange)**, both information store & brick level); Database Servers (almost all variants) and individual files.

Responsibilities:

I am responsible for planning and deploying the infrastructure in an Australian own datacentre, setting up monitoring tools using SNMP traps. I have also deployed a **disaster recovery** plan using **LTO 5** tape libraries as a medium of offline copy to avoid hacking attacks. This **warm site** is prepared to be ready within couple of hours if disaster strikes. In order to be ready for real life scenarios, I am also responsible to simulate the switchover to warm site once every month.

During part-time role (August 2010 to July 2011), I was responsible for facing customer's enquires on phone/email & providing them level 1 to 3 technical support as required. I have received excellent testimonials from our customers appreciating my knowledge, support & communication skills.

Role:

- Worked as **Build and Release Manager**
- Design and deploy **application architecture**.
- Planning IT infrastructure including **disaster recovery** measures.
- Maintaining online backup servers running **Ahsay** products on Windows 2008 R2 x64
- Server virtualization using **VMWare ESXi 4-5** hypervisor, and Citrix XenServer
- Documenting server configurations & technical manuals
- **High-availability** planning & implementation using **StorageCraft ShadowProtect** & **ImageManager**
- Level 1 through to level 3 technical & remote support to customers
- Software analysis
- **Shell scripting**
- Enterprise **WatchGuard** XTM firewall deployment
- Maintaining tape backups. Worked on **Quantum** scalar i40, **Tandberg** tape libraries.
- Worked on **Dell disk arrays**: MD3200, MD3000, MD1000

Major milestones achieved:

- Disaster recovery planning & testing deployment scenario.
- 100% customer satisfaction

Network Administrator
Deeper Image Television, Australia
Contractor – 6 months (2012)



The company:

DeeperImage Television mainly deals in manufacturing custom antennas, and also the parts required for faulty devices. As a part of the services they offer, most of the technician needs to work outside office at customer's site. Thus, the company needed a solution where technicians will have access to their files/emails from outside office either on PDA or laptop.

Responsibilities:

I was responsible for deploying a Windows Small Business **Domain Controller** with **Exchange server**. With the help of **Group Policy Objects & Administrative Templates**, I configured the DC to customise access permissions, and user experience of all technicians, graphic designers & management staff during their initial login. The DC was made responsible to maintain a profile for each workstation so that corresponding softwares can be deployed during system reboot. I configured the network in such a way that a user was no longer locked-in to his/her personal desktop. Anyone could login to any workstation using their credentials to have access to their own files and emails in **Outlook**. The DC was well protected using a volume based backup utility called **Acronis**.

Role:

- Deploying a Windows SMB Domain Controller
- Configure MS Exchange Server for incoming & outgoing emails
- Disaster recovery planning using Acronis
- Deploy software packages from the Domain Controller to Workstation
- Setup VPN for off-premises technicians
- Document the whole IT infrastructure

IT Engineer / Technical support
International Medical Recruitment, Australia
Contractor/part time



The company:

International Medical Recruitment is an Australian firm which provides recruitment services for specialised doctors/surgeons. The company maintains the database of nearly each doctor in Australia, and also from overseas who are willing to come to the country. This makes them first point in contact if any medical institute raises a requirement of a skilled professional.

Responsibility:

My main responsibility was to setup **MSSQL** server and deploy .NET based client software application on staff members' computers. I have also implemented an offline backup mechanism to ensure that they can retain at least 7 years of records to meet the compliance.

Role:

- Operating System migration
- MSSQL server setup
- Data backup
- Basic PC troubleshooting & error handling

Certification

- **Red Hat** certified in **Linux Enterprise edition 5** (formally known as RHEL 5)
-

Education

Master Degree

Swinburne University of Technology
2009 – 2011

- Specialization – **Master of Science in Network Systems**
 - Studies involve – Cisco Certified Network Administration, Microsoft Administration both core & enterprise, Web development, Network security, Network programming
 - Major projects – A smart online quiz system to analyse student's overall confidence while answering the quiz.
-

Bachelor Degree

RTM Nagpur University
2005 – 2008

- Specialization – Bachelor of Engineering in Computer Science
 - Studies involve – Software engineering, Data structures using different programming languages, Numerical Computing, Computer networks, Computer Graphics
 - Major projects – Automated scheduling for Mines, Face recognition system.
-

Diploma

MSBTE, Mumbai
2002 – 2005

- Specialization – Electronics and Communication
 - Studies involve – Power electronics, Microprocessor & Microcontroller
 - Major Projects – Ozone generator (only electronic circuitry was used).
-

References

Available on request