

| Four Year Plan | | | | | | | | | |
|-------------------|-----------------------------------|------------------------------|--|------------------------|--------|--------|---|--------|---------|
| | | | | Ongoing Practice | Year 1 | Year 2 | Year 3 | Year 4 | |
| core skills | Shell | bash | | gtypist | bash | | | | |
| | OS/ Distribution | Debian, FreeBSD | | vimtutor | perl | | | | |
| | Virtualization | Docker | | asciidoc | git | | | | |
| | Scripting languages | Perl, Python | | git | sqlite | | | | |
| | System programming Languages | C | | | C | | | | |
| | Version control system | Git | | | Docker | | | | |
| | DBMS | SQLite | | | | python | | | |
| | Firewall | iptables | | | | MySQL | | | |
| | File systems | Ext4, UFS | | | | | Apache | | |
| | Documentation | ASCIIdoc | | | | | Postfix | | |
| Additional skills | Shell | zsh, ksh | | | | | Unbound | | |
| | OS/ Distribution | Centos/ RHEL, Arch, Windows | | Centos | | | HTTP/ Apt proxy | | |
| | Scripting languages | PHP, Ruby, Erlang | | Installation | | | Ruby | | |
| | DBMS | PostgreSQL, MySQL | | Administration | | | | go | |
| | System programming Languages | Assembly | | linux commands | | | | Java | |
| | Web UI | jQuery | | perl/ python libraries | | | | chef | |
| | Server side programming languages | go, Java | | Arch | | | | | jQuery |
| | File systems | BTRFS, ZFS, NTFS | | Installation | | | | | CouchDB |
| | Proxy servers | HTTP, APT | | Administration | | | | | Hadoop |
| | Firewall | iptables, nftables, fw, ipfw | | FreeBSD commands | | | | | |
| Advanced skills | Virtualization | LXC, systemd-nspawn, KVM | | FreeBSD | | | | | |
| | in-memory data structure store | Memcached, Redis | | Installation | | C++ | iptables, Nagios, Ext4, zsh, systemd-nspawn, kvm, PHP, erlang | | |
| | System Monitoring | Nagios | | Administration | | | | | |
| | DNS server | Unbound, BIND | | | | | | | |
| | HTTP server | Apache, NGINX | | Debian | | | | | |
| | SMTP server | Postfix | | Installation | | | | | |
| | Proxy servers | HTTP proxy | | Administration | | | | | |
| | NoSQL Dbs | CouchDB | | | | | | | |
| | Configuration Managment | Chef | | | | | | | |
| | Big Data | Hadoop | | | | | | | |
| | Documentation | LaTex | | | | | | | |
| | Kernel Development | | | | | | | | |
| | Optional | | | | | | | | |
| RDBMS | | Oracle, SQL Server, Sybase | | | | | | | |

 DATA DEWINS