

# Curriculum Vitae

Jakarta, Indonesia

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I am a strongly motivated individual, working to improve my knowledge, skills, and abilities on a daily basis. Always interested in exciting and challenging projects in creative environments where I can both contribute and learn from a great team of people.

## Personal

Full Name Muhammad Fuad Hasan  
Place, Date of Birth Ujung Pandang, Indonesia, July 6 1986  
Sex, Marital Status Male, Single

## Education

Oct 2011 **Bachelor of Engineering in Informatics Engineering, STT Telkom (IT Telkom)**, Bandung, Indonesia.  
Final Project: "Signaling Performance Analysis of Mobile IPV6 Integrated on MPLS Network with XCAST6".

## Experience

Nov 2012–Current **Software Developer (Freelance)**, *Kickstart Interactive (startup)*, Jakarta, Indonesia.  
Contribute in development of "Paramanusa Filing" application product with target market for small and middle enterprise.

Nov 2011–Oct 2012 **Network Engineer**, *PT. Bigjava (bigjava.com)*, Jakarta Selatan, Indonesia.  
o Developed (VDPI Moreto and Genorks) application products and deployed it on customer's data center.  
o Met with clients to establish software specifications and give product presentations (technical sales).  
o Led a small team of 2-3 engineers to work on a project for specific product development.

Jul–Sep 2009 **Network Engineer (Intern)**, *PT. Bandung Sinergi Akses Teknologi (Greenlinks ISP)*, Bandung, Indonesia.  
Monitored and studied performance of Greenlinks's network infrastructure as information basis for planning process to improve its network services in future.

Jul–Oct 2008 **Network Technician (Freelance)**, *Independent Contractor*, Bandung, Indonesia.  
Installed, configured, and maintained computer network infrastructure for home blocks residence.

Jul–Aug 2007 **Customer Complaint Service Officer (Intern)**, *PT. Telekomunikasi Indonesia*, Bandung, Indonesia.  
Handled formal complaint from customer and developed specific web application to help managing complaint's problem solving process.

## Skills

Computer Languages C/C++, Python, Perl, Shell Script, Java, PHP, SQL, Scheme, Ruby  
Operating System GNU/Linux (RedHat/CentOS, SuSE, Slackware, and Debian/Ubuntu), BSD (FreeBSD, OpenBSD, NetBSD, OpenDarwin, and OpenSolaris), Apple OS X, Microsoft Windows (desktop/server)  
Database MongoDB, MySQL, Redis, PostgreSQL, Oracle, Ms SQL

Server Machine	AdvancedTCA platform, (IBM, HP, and Dell) Blade Server
Virtualization	VMware Workstation, VirtualBox, Qemu, Xen, Bochs, FreeBSD Jail, Solaris Zones
Code Management	Git, Mercurial, CVS
Log Management	Splunk, Logstash
Network Simulator	Omnet++, NS2, Opnet Modeler, GNS3
Network Monitoring	Nagios, OpenNMS
Network Service	DNS (Bind), web proxy (Squid), web server (Apache, Lighttpd, Nginx), ftp server (vsftpd), mail server (Qmail, postfix, Sendmail), vpn server (OpenVPN, mpd), SMB/CIFS server (Samba), NFS server, VoIP server (Asterisk and SER)
Network Firewall	BSD PF, Linux IPtables
Protocol Analyzer	Wireshark, TCPdump, ngrep
Common Software	Unix/Linux development toolchain, Vim, Eclipse, Microsoft Visual Studio, Microsoft Project, Microsoft Office
Idioms	Indonesian (native proficiency), English (professional working proficiency)

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## Activities

Nov 2010–Mar 2011	<b>Member, Study Group of eLearning Lab.</b> , IT Telkom Bandung, Indonesia. Studied on eLearning technology particularly web based application eLearning and IEEE Learning Technology System Architecture (LTSA) framework which operate in an environment of distributed system.
Dec 2009–Oct 2010	<b>Member, Study Group of Data Mining Lab.</b> , IT Telkom Bandung, Indonesia. Studied and researched for implementing K-nearest Neighbor Algorithm and Hidden Markov Model for machine learning application.
Sep 2007–Aug 2009	<b>Research &amp; Teaching Assistant, Teleinformatics &amp; Operating System Lab.</b> , IT Telkom Bandung, Indonesia. <ul style="list-style-type: none"> <li>o Practical research: "Implementing Failover Firewalls System using CARP Protocol on OpenBSD".</li> <li>o Taught computer network course on selected topics for engineering students in laboratory practice.</li> </ul>
Aug 2006–May 2007	<b>Activist, Linux User Group (LUG)</b> , STT Telkom Bandung, Indonesia. Participated actively to help promoting and teaching open source software in my local campus community.
Dec 2004–Oct 2006	<b>Journalist, Masyarakat Jurnalistik</b> , STT Telkom Bandung, Indonesia. Learned about journalistic and wrote news articles for my campus journal/magazine as amateur journalist.
Nov 2004–May 2005	<b>Member, Study Group of Artificial Intelligence Lab.</b> , STT Telkom Bandung, Indonesia. Studied fundamental theory about Artificial Intelligence and its basic algorithms implementation in software.

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## Short Course & Seminar

Jun 2012	<b>Cisco Innovate 2012, Seminar</b> , by Cisco Systems, Jakarta, Indonesia. As representative for my employer (PT. Bigjava) to learn Cisco's new innovations that can be used as technical references to improve my company's technology products.
Feb 2011	<b>Qt Workshop for Developer, Short Course</b> , by Nokia Indonesia, Bandung, Indonesia. As software developer, I learned to develop application using Qt framework as infrastructure that running on Nokia's MeeGo mobile OS platform.
Feb 2010	<b>Security in eBanking, Seminar</b> , by Switching Technique Lab. IT Telkom, Bandung, Indonesia. As seminar participant, I came to learn technology security issues and trend in financial transaction via online eBanking especially at banks in Indonesia.
Feb 2009	<b>IP Multimedia Sub System (IMS) Technology, Seminar</b> , by Switching Technique Lab. IT Telkom, Bandung, Indonesia. As seminar participant, I came to learn about IMS technology implementation in telecommunication industry and its open source implementation like OpenIMS that can be used to build core element of IMS architecture.

- Sep 2008 **Ruby on Rails Application Development**, *Short Course*, by Software Engineering Lab. IT Telkom, Bandung, Indonesia.  
As software developer, I learned to build web application based on Ruby on Rails framework for rapid web application prototyping and development.
- Sep 2007 **WiMax Technology**, *Short Course*, by Mobile Communication Lab. STT Telkom, Bandung, Indonesia.  
As student, I learned basic WiMax technology, deployment, and its application in telecommunication industry.
- Sep 2006 **eBusiness and Portal Service**, *Seminar*, by Software Engineering Lab. STT Telkom, Bandung, Indonesia.  
As seminar participant, I learned about economic potential of developing online business based on portal service web application which built on web framework technologies.
- May 2006 **Softswitch Training Using Asterisk**, *Short Course*, by Network Access Lab. STT Telkom, Bandung, Indonesia.  
As trainee, I learned to build, configured, and maintained Asterisk softswitch server functioned as campus area VoIP telephone exchange.
- Mar 2005 **Open Source and Network Security**, *Seminar*, by Teleinformatics & OS Lab. STT Telkom, Bandung, Indonesia.  
As seminar participant, I learned about open source softwares that can be used as tools for doing network security assessment and hardening computer networks.
- Jan 2005 **Relational Database Fundamental Training**, *Short Course*, by Database Lab. STT Telkom, Bandung, Indonesia.  
As student, I learned to create relational database application using Entity Relationship diagram as design basis then implemented it on Microsoft SQL platform.
- Dec 2004 **Workshop Computer Hardware & Troubleshooting**, *Short Course*, by Computer Hardware Lab. STT Telkom, Bandung, Indonesia.  
As student, I learned to assemble personal computer (PC) hardware and how to do computer troubleshooting.

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## References

Available upon Request.