

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 to the 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.
○ Develop and deploy network application product with target market for telecommunication companies in Indonesia.
○ Meet with clients to establish software specifications and also doing product presentation to potential customers.
○ Lead a small team of 2-3 engineers to work on a project in specific product development.
- Jul–Sep 2009 **Network Engineer (Intern)**, *PT. Bandung Sinergi Akses Teknologi (Greenlinks ISP)*, Bandung, Indonesia.
Monitor and study network performance of Greenlinks data center as information basis in planning to improve its network service to end-clients.
- Jul–Oct 2008 **Network Technician (Freelance)**, *Independent Contractor*, Bandung, Indonesia.
Install, configure, and maintain computer network infrastructure for blocks home residence.
- Jul–Aug 2007 **Customer Complaint Service Officer (Intern)**, *PT. Telekomunikasi Indonesia*, Bandung, Indonesia.
Handle formal complaint from customer and develop a web application to help managing complaint's problem solving process.

Skills

Languages	C++, Python, Perl, Shell Script, Java, PHP, SQL, L ^A T _E X, Scheme, Go
Protocols & APIs	XML, JSON, SOAP, REST
Software	gcc, gdb, BASH/ZSH, Vim, Microsoft office, XFCE, KDE, GNOME etec
Database	MongoDB, MySQL, MSSQL, Redis, and PostgreSQL
Hardware	ATCA platform, IBM, HP, and Dell Blade Server
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)
Virtualization	VMware, VirtualBox, Qemu
SCM	Git, Mercurial, and CVS
Log Management	Splunk, Logstash
Network Simulator	Omnet++, NS2, Opnet, 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), VoIP server (Asterisk and SER)
Packet Analyzer	Wireshark, TCPdump/snoop
Idioms	Indonesian (native proficiency), English (professional working proficiency)

Activities

Nov 2010–Mar 2011	Member, Study Group of eLearning Lab. , IT Telkom Bandung, Indonesia. Study 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	Member, Study Group of Data Mining Lab. , IT Telkom Bandung, Indonesia. Study and research for implementing K-nearest Neighbor Algorithm and Hidden Markov Model for machine learning application.
Sep 2007–Aug 2009	Researcher & Teaching Assistant, Teleinformatics & Operating System Lab. , IT Telkom Bandung, Indonesia. <ul style="list-style-type: none">○ Doing practical research: "Implementing Failover Firewalls System using CARP Protocol on OpenBSD".○ Teaching basic computer network course material for students in class and laboratory practice.
Aug 2006–May 2007	Activist, Linux User Group (LUG) , STT Telkom Bandung, Indonesia. Participate actively to help promoting and teaching open source software in my local campus community.
Dec 2004–Oct 2006	Journalist, Masyarakat Jurnalistik , STT Telkom Bandung, Indonesia. Learned about journalistic and wrote news articles for my campus journal/magazine as amateur journalist.
Nov 2004–May 2005	Member, Study Group of Artificial Intelligence Lab. , STT Telkom Bandung, Indonesia. Study fundamental theory about Artificial Intelligence and its simple algorithms implementation in software.

Short Course & Seminar

- Jun 2012 **Cisco Innovate 2012, Seminar**, 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 **Qt Workshop for Developer, Short Course**, by Nokia Indonesia, Bandung, Indonesia.
As software developer, I came to learn developing application using Qt framework as infrastructure basis that would be run on Nokia's MeeGo mobile OS platform.
- Feb 2010 **Security in eBanking, Seminar**, 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 **IP Multimedia Sub System (IMS) Technology, Seminar**, 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 student, I learned to build application using Ruby on Rails framework for rapid web application prototyping.
- 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 online business based on portal service web application which can be built using web frameworks.
- May 2006 **Softswitch Training Using Asterisk, Short Course**, by Telecommunication Access Lab. STT Telkom, Bandung, Indonesia.
As student, I learned to setup and configure Asterisk softswitch for campus telephone/VoIP exchange.
- Mar 2005 **Open Source and Network Security, Seminar**, by Teleinformatics Lab. STT Telkom, Bandung, Indonesia.
As seminar participant, I learned about open source software that can be used as tool 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 ER diagram as a design basis and implementing it on MS 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.

References

Available upon Request.