

Curriculum Vitae

Last updated on 11/16/2012



Karthik Malla

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About me

"Founder of an IT firm called Malla Technologies (Internet Services & Web Security Matrix).

Doing research on hacking and web security from past 5 years and invented (holding patents for) 20 security algorithms which can secure a simple website to challenge black hats.

I recently invented a complete emailing system (server + client) called Softmail which is very advanced than all the existing ones. Project hosted at www.softmail.me."

Objective

"To work with a dedicated team of experts in a company where I can enhance my knowledge & empower my skills. And I work my level best to develop the growth of the company and of course myself."

Education

Course	Board	Year of Completion	Marks (%)
B.E. Computer Science & Engineering	ANNA UNIVERSITY CHENNAI Kamban Engineering College.	2011	63%
Intermediate	ANDHRA PRADESH STATE BOARD Sri Chaitanya Junior College.	2007	77%
Schooling	INDIAN CENTRAL BOARD Zinc smelter senior secondary school.	2005	53%

Experience

As a founder cum Software developer at Malla Technologies from Sept 2011.

Activities

Research, Hacking, Tweaking, Chatting, Surfing, Reading Updates & many more.

Domain of interest

Any domain @ any platform.

Expert domains

Software development, Server administration, Database management, UI designing, Product planning and management.

Salary expected

Negotiable!

Technical skills

- Languages
- Databases
- Servers
- White Hat Hacking
- Networking
- Tools & Environments
- Operating Systems
- Hardware
- Applications
- Mobile computing

SUMMARY OF SKILLS

Application development languages

- ✓ C, C++
- ✓ Visual Basics, VB.NET
- ✓ C#.NET
- ✓ VC++.NET
- ✓ Core & Advanced JAVA.
- ✓ Python
- ✓ Shell
- ✓ SAP ABAP

Web development languages

- ✓ ASP.NET with VB/C#
- ✓ JSP
- ✓ ASP
- ✓ PHP
- ✓ CGI

Markup Languages

- ✓ HTML with CSS
- ✓ XML with XSLT

Scripting Languages

- ✓ AJAX
- ✓ JavaScript/jQuery
- ✓ VBScript

Databases

- ✓ Oracle
- ✓ IBM DB2
- ✓ Microsoft SQL Server
- ✓ MySQL Server
- ✓ MS Access
- ✓ PL/SQL

Hacking

- ✓ Front-end hacking (using JS, Phishing, Key Loggers, IP spoofing, etc.)
- ✓ Middle-end hacking (man in middle attacks like eavesdropping, network hacking, etc.)
- ✓ Back-end hacking (SQL injection, Database hacking, etc.)
- ✓ General hacking (Email hacking, Router hacking, Password cracking, password stealing, decrypting hash codes etc.)
- ✓ Firewall bypassing, port scanning, vulnerability testing and SQL injection.
- ✓ Can quickly detect intrusions and can remotely find out the hacker.

Servers

- ✓ Worked on most kinds of Linux Servers.
- ✓ Worked on most kinds of Windows Servers.
- ✓ Worked on web servers like IIS, WAMP, Apache Tomcat, Glass fish, JBoss etc.
- ✓ Remote connections, web & machine control panels.

Networking

- ✓ Had in depth knowledge and vast experience in Mail servers, Web servers, Domain servers etc, server architectures & configuring.
- ✓ Expert in configuring DNS, Plesk/Cpanel/Virtuozzo (Hosting control panels).
- ✓ Worked with many Firewalls, Port protections, Ad hocs.

Platforms worked on

- ✓ Microsoft Windows 7, Vista, XP, 98, 95, DOS.
- ✓ Microsoft Windows Server edition 2008, 2003, 2000.
- ✓ Apple Macintosh.
- ✓ Linux (Red Hat, Ubuntu, CentOS, Debian, Suse, etc.).
- ✓ Open Solaris.
- ✓ Google ChromeOS, Goo OS.
- ✓ Google Android, Windows for Mobile, iOS for Apple Phones.
- ✓ Linux for Mobile, Symbian for Mobile.
- ✓ Various cloud environment systems.

- Hardware**
 - ✓ Intellectual knowledge towards system hardware interfacing.
 - ✓ Worked on various Micro controllers & sensors to develop Robots, etc.
- Designing**
 - ✓ Web Designing.
 - ✓ Flash video Making.
 - ✓ 3D Image Making.
- Management Tools**
 - ✓ Microsoft Office, Open Office. (All versions).
 - ✓ CMS (Wordpress, Joomla, Drupal etc).
- General Skills**
 - ✓ Shortest code writing.
 - ✓ Good organizing skills.
 - ✓ Good communication skills.
 - ✓ Good hard working skills.
 - ✓ Perfect time management.
 - ✓ Smart multi-tasking.
 - ✓ Good product planning skills.
 - ✓ Active member at StackOverflow & many sister sites of StackExchange.
- Extra Ordinary Skills**
 - ✓ Quick coding.
 - ✓ KISS (Keep it short and simple) coding.
 - ✓ Easy (or robust) understandable architecture designing.

RESEARCH & PROJECTS

- Research & Patents**
 - ✓ Doing research on hacking and web security from past 5 years. As a part of my research I collected all the possible ways to hack an internet account and found best solutions for each of them. My research is about anti-hacking and protecting internet account from hackers. My concepts are unique and more powerful than Two-Factor Authentication system and I bet implementing my techniques could highly improve robustness of website's security and can challenge Black Hat Hackers.
 - ✓ Currently I invented 32 Security algorithms, 7 Spam protection algorithms and 15 new features for web. In which I registered patents for 15 Security, 3 Spam and 7 other patents. The rest are latest inventions and yet to apply for patents.
- Publications**
 - ✓ Title - "End to Hacking – World Wide Web's first website where hacking does not work" page #168 in Quark'11 proceedings by TGPCET, Nagpur, India.
- Bachelors degree university project**
 - ✓ **An intelligent car that can drive without a driver** Created a prototype to prove that a car can be driven without a driver. This project is based on GPS connected with Google maps to download the path track and it calculates the distance and angle of curves to take diversions. It contains ultra-sonic sensors to detect obstacles, LDR's to detect road way and an Arduino Micro-controller to control all the components. Micro-controller consists of a special unit with timer to check whether the car is travelling in the correct position or not for every 2 seconds. Also, micro-controller periodically checks whether all the components are working fine or not. If any one component fails to work it stops the car and gives alert by LED.
- Web projects done**
 - ✓ **Advanced emailing sytem** Softmail is the World Wide Web's most advanced emailing system developed in ASP.NET using AJAX, jQuery, JavaScript and HTML with MySQL backend. The security of Softmail bet token authentication and 2 step authentication system with remote account suspension, remote session termination. Softmail's server can detect server hacking and restores data in less than a minute. It can simply protects accounts from phishing and key loggers in single step, Softmail makes every password unique without salt

and finally Softmail is proud to announce that White Hat Hacking is allowed to test the security of its email accounts. Currently Softmail holds 15 security patents, 3 spam patents and patents for few features.

- ✓ **Online Studios** Created a web application that registers accounts, automatically collects user's photos, adds to its buckets and proceeds to secured payment. Later the buckets are manually verified, printed and delivers to customers.
- ✓ **Video/Audio/Text chat** Developed tons of chat scripts where users can chat with other users. Not only just text chat but users can perform video calling, voice calling, can share files, can add users to chat, can translate conversation's language.
- ✓ **Social networking system** Developed an application in PHP and MySQL to connect with family and friends. This application includes free website hosting, chatting, shout box, people search, companies search and quick contacting.
- ✓ **Shopping carts** Created an application where users can add required items to their carts and make a bulk online shopping. This application is connected with a payment gateway provided by CCavenue for transactions.
- ✓ **Developed tons of applications using various languages like VB, C#, VC++, JAVA, Python as front-end and Oracle, DB2, MS SQL, MySQL, MS Access as back-end tools.**
- ✓ **I love cloning applications. I developed thousands of web/windows applications that does the same work of hot websites like Facebook, Twitter, Wordpress, StackOverflow etc.**

Software projects done

Hardware projects done

- ✓ **Started to develop a virtual computer** Technology is improving day by day but still we are carrying bulk of loads (CPU + Monitor / Laptops) to compute. Although we got pocket PCs and Palm tops, they are not efficient enough to compute better and are not handy too. In this project I have chosen PICO ITX mother board with a bootable Pen drive (Loaded with Linux OS) and with the technologies of Artificial intelligence to create an environment to recognize gestures and touch sense. And, the projection is done using 3D (Hologram) projector to compute even in air (i.e. without hard medium). This project was kept on hold due to no enough funds.
- ✓ **Controlling application software with any hardware** A challenging project verified and appreciated by professors of IIT Bombay. Using Python codes to prove any system software (or) application software can be controlled by any external hardware. In this project I controlled a blender object using a simple potentiometer. This project was presented in ROBOX'10.
- ✓ **Embedded frequency modulation circuit** Created a circuit with a small antenna that can modulate waves up to 3 KM with any desired frequency. This circuit can be switched either its audio input to microphone or to a amplifier circuit connected to audio player of any kind. This project was presented in KLUC'10.
- ✓ **Silent heart attack detection kit** Embedded hardware with a microcontroller that is placed in shirt pocket above the chest. It repeatedly checks for silent heart attacks and if a person bounds to have a heart attack, this kit detects it and triggers an electric shock and then gives an alert to the nearest hospital using GPS data logger and mobile phone. This project is certified by more than 10 colleges.

ROBOTS In the days of Engineering I worked with a team of friends to develop hundreds of robots like IR robot, Robotic arm, random robot, line follower robot, GPS controlled robot, Python controlled robot etc.

ACHIEVEMENTS

Life achievements

- ✓ At the age of 5 years I used to answer for more than 15,000/- General Knowledge question like Country capitals, Books & Authors, Inventions & Discoveries, Identifying persons, Pointing even a small country/state in world map etc. and I received hundreds of awards and rewards from Various Ministers, Celebrities, etc.
- ✓ Received prestigious Madras Telugu Academy Award for the same mentioned above.
- ✓ Received Limca Jaycees award for the same mentioned above.
- ✓ Received more than 100 awards and rewards for the above mentioned.

Certificates

Courses

- ✓ Received VC#.NET professional certification from NIIT.
- ✓ Did a course on SAP ABAP at APtech India.
- ✓ Received XML and ADO.NET professional certification from NIIT.
- ✓ Done courses in C and C++ at VJinfo.
- ✓ Done course in MS Office at VJinfo.

Projects

- ✓ Presented my project **Advanced E-Mailing System** in an *International conference* NANO T10-EXPO conducted by ARUNAI ENGINEERING COLLEGE.
- ✓ Won **third place** in National level technical symposium QUARK conducted by TULSIRAMJI GAIKWAD-PATIL COLLEGE OF ENGINEERING AND TECHNOLOGY.
- ✓ Presented my project **INTERFACING ARDUINO HARDWARE TO BLENDER SOFTWARE** in KLUC EXPO 09 conducted by KAMBAN ENGINEERING COLLEGE.
- ✓ Presented my project **BROWSERS AND INTERNET** in KLUC'08 conducted by KAMBAN ENGINEERING COLLEGE.
- ✓ Presented my project **FM STATION** in ROBOX' 09 conducted by KAMBAN ENGINEERING COLLEGE.

Presentations

- ✓ Won **second place** in National level technical symposium EXOUSIA'10 conducted by S.A. ENGINEERING COLLEGE.
- ✓ Won **second place** in National level technical symposium POINTERS 2K10 conducted by ARUNAI ENGINEERING COLLEGE.
- ✓ Won **second place** in National level technical symposium VIRUS'10 conducted by M.I.E.T ENGINEERING COLLEGE.
- ✓ Won **second place** in National level technical symposium CHIP conducted by M.P.NACHIMUTHU M.JAGANATAN ENGINEERING COLLEGE.
- ✓ Won **third place** in National level technical symposium QUARK conducted by TULSIRAMJI GAIKWAD-PATIL COLLEGE OF ENGINEERING AND TECHNOLOGY.
- ✓ Won **consolation certificate** in National level technical symposium ANVESHANA 2011 conducted by SASI INSTITUTE OF TECHNOLOGY AND ENGINEERING.
- ✓ Participated in National level technical symposium GANAJOTSAV'10 conducted by SASTRA UNIVERSITY.
- ✓ Participated in National level technical symposium FUTURA 2010 conducted by BANNARI AMMAN INSTITUTE OF TECHNOLOGY.
- ✓ Participated in National level technical symposium TECHNOZION-X 2010 conducted by Department of Electronics and Communication Engineering NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL.
- ✓ Participated in National level technical symposium TECHNOZION-X 2010 conducted by Department of Biotechnology NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL.
- ✓ Participated in National level technical symposium GANAKOTSAV'10 conducted by SASTRA UNIVERSITY.
- ✓ Participated in National level technical symposium TECH-FEATERS'10 conducted by VELAMMAL COLLEGE OF ENGINEERING AND TECHNOLOGY.

Training

- ✓ Attended a workshop on OBFUSCATION (Code security & Web security) conducted by VIT University.
- ✓ Attended a workshop on WEB services and tools conducted by ARUNAI ENGINEERING COLLEGE.
- ✓ Attended a workshop on CISCO ROUTING BASICS conducted by CISCO NETWORKING ACADEMY of ARUNAI ENGINEERING COLLEGE.
- ✓ Attended an industrial visit to BSNL TELECOM TRAINING CENTRE.

Contests

- ✓ Won **second place** in National level quiz at TECH FEATER'10 conducted by VELAMMAL COLLEGE OF ENGINEERING AND TECHNOLOGY.
- ✓ Won **second place** in National level stress interview at TECH FEATER'10 conducted by VELAMMAL COLLEGE OF ENGINEERING AND TECHNOLOGY.
- ✓ Participated in National level debugging event at TECH FEATERS'10 conducted by VELAMMAL COLLEGE OF ENGINEERING AND TECHNOLOGY.
- ✓ Participated in National level web designing at POINTERS 2K10 conducted by ARUNAI ENGINEERING COLLEGE.
- ✓ Participated in National level poster designing at POINTERS 2K10 conducted by ARUNAI ENGINEERING COLLEGE.
- ✓ Participated in National level surprise event at TECH FEATERS'10 conducted by VELAMMAL COLLEGE OF ENGINEERING AND TECHNOLOGY.

General

- ✓ Served as National Cadet Corps in ARMY wing (A and B certificate holder).

PERSONAL PROFILE

Name : Karthik Malla

Father's Name : Ramu Naidu Malla

Father's Occupation : Director "School Of Wonder Kids", Vishakhapatnam.

Marital & DOB : Single & 09/January/1990

Mailing Address : KARTHIK MALLA
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Original Address : KARTHIK MALLA
S/o RAMU NAIDU MALLA
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THOKADA, AUTO NAGAR;
GAJUWAKA;
VISHAKAPATNAM;
ANDHRA PRADESH;
INDIA.

Zip Code : 530012

Languages Known : English (U.S./U.K.): Speak, Read and Write.
French: Read.
Hindi: Speak, Read and Write.
Telugu: Speak, Read and Write.
Tamil: Speak and Read.
Malayalam: Speak.

Declaration *I hereby solemnly declare you that all the particulars mentioned in this are true and best of my knowledge.*

Reference

1) Mr. Ravi Kumar.B
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Yours faithfully,

Date:

Place:

[KARTHIK MALLA]