HASNAIN LAKHANI

DEVELOPER, ENTREPRENEUR

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Profile

Interested in practical research to advance the pinnacle of knowledge, as well as building something to help the masses.

Experience

SRI International
Software Engineer   October 2013 - Present

Security development for content-centric mobile networks. Focusing on security usability and productization of next generation mobile networking infrastructure.

Anahata Solutions
CTO   June 2010 - May 2013

Developing a line of applications for the Samsung Bada platform. Creating a distributed analytics solution. Writing web service back-ends for Android applications. Making strategic business decisions. Managing a team of developers.

SRI International
International Fellow   August 2012 - January 2013

Studying decentralized capability-based authorization protocols for content-based networks.

Lahore University of Management Sciences
Research Assistant   June 2011 - June 2013

Research into computer networks, computer security, distributed systems, and data provenance.

Lahore University of Management Sciences
Teaching Assistant   August 2011 - May 2013

Holding tutorials and office hours. Grading quizzes. Handling administrative activities. Courses: Discrete Math (Fall 2011), Data Structures (Spring 2012), Network Security (Spring 2013).

Open Source

QuranApp
Web Application that allows users to create document collections of various Quranic Ayats.

Halwa
Static site generator written in Python.

NewsMap
Web application that allows users to easily browse the newspapers of the world.

Technical

Languages	Frameworks	Platforms	Libraries
Python	Flask	Web	SQLAlchemy
C++	Django	Samsung Bada	Reportlab
C#	wxPython	Windows	BeautifulSoup
Java	WinForms	Linux	xhtml2pdf

Software	Databases	VCS	Misc
gVim	MySQL	Git	PDF Generation
Visual Studio	Postgres	Bazaar	Scripting
Eclipse	MS-SQL	SVN	Excel Automation
Netbeans	Redis	Mercurial	MATLAB

Education	**Lahore University of Management Sciences** BS in Computer Science — 3.91 CGPA, 4.00 SCGPA, Gold Medalist	2013
	PISES, Riyadh, Saudi Arabia A Levels with 4 As in Mathematics, Physics, Chemistry and Computing	2009

Awards	**Speed Programming Competition, GIKI Softcom '10** Winner	2010
	IEEEXtreme 5.0 Top 30 in Asia (R09)	2011
	IEEE National CodinGuru '10 Third Position	2010
	Intra-LUMS CodinGuru '09 Third Position	2009

Academic Interests

Algorithms	Functional Programming	Data Provenance	Artificial Intelligence
Discrete Mathematics	Compilers	Distributed Systems	Machine Learning

Projects

Steganography with mazes in MATLAB

Firefighting robot using DTMF

Scalable Verification of Outsourced Dynamic Replicated Databases

Automated cracking of substitution ciphers using Genetic Algorithms