

ZEESHAN ALI SHAH

a Swedish data scientist with decade of experience!

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OVERVIEW OF QUALIFICATIONS

- ◆ Extensive working experience with HPC and Cloud .
- ◆ Superior support and network with Swedish Bio-Informatics community.
- ◆ Worked with Several Europeans and Swedish Bio-Informatics projects.
- ◆ PhD Researcher in Cyber security with European's top most University, KTH
- ◆ MS, Information and communication system security from European top-most university, KTH
- ◆ Teaching experience in European universities to large-scale audience.
- ◆ Gold medallist in MCS, Masters of Computer science
- ◆ Trusted experience for working in Governmental/Defence organization of Sweden.
- ◆ Track record of international research in cyber security.
- ◆ Extensive working experience with European research and development projects funded by European union.
- ◆ Wide-scale record for attending international conferences and even NATO conferences for Cyber defence.
- ◆ Experience of increasing responsibility in secure network design, systems analysis and development and full lifecycle project management.
- ◆ Experience in administrating heterogeneous and large scale Grid, HPC and Cloud computing infrastructure.
- ◆ Demonstrated capacity to manage and support distributed computing platforms with, Eucalyptus, OpenNebula, MS HPC Server 2008, gLite, Globus, ARC and Unicore.
- ◆ Hands-on experience with e-Science applications.
- ◆ Demonstrated capacity to implement innovative security programmes that drive awareness, decrease exposure and strengthen organisations.
- ◆ Hands-on experience leading all stages of system development efforts, including requirements definition, design, architecture, testing and support.
- ◆ Outstanding leadership abilities; able to coordinate and direct all phases of project-based efforts while managing, motivating and leading project teams.
- ◆ Adept at developing effective security policies and procedures, project documentation and milestones, and technical/business specifications.

CORE COMPETENCIES

Teaching, Research and Development, IT-Security, Cloud computing, Virtualization, Cluster computing , MS HPC Server 2008, Matlab, Comsol, Network & Systems Security; Linux based HPC Cluster; Business Impact Analysis; Regulatory Compliance and Standards (NIST, ISO 17799/27001, Common Criteria, PCI-DSS); Data Integrity/Recovery; Disaster Recovery Planning; Contingency Planning; Research & Development; Risk Assessment; Cost Benefits Analysis; System Architecture Development; MS HPC Server 2008 and Matlab Distributed server.

INTERNATIONAL PROJECTS:

- ◆ Various projects with Swedish e-Science research council. <http://www.e-science.se>
- ◆ SCALA-LIFE
- ◆ SCILIFELAB
- ◆ BIO BANK CLOUD
- ◆ VENUS-C.EU
- ◆ Several projects under Swedish national infrastructure for computing, <http://www.snic.se>

OUTSTANDING PROFESSIONAL ACHIEVEMENTS

- ♦ PhD Researcher in Cyber Security .
- ♦ Extensive working experience with European funded projects such as Omii-Europe, EGEE, EGI, NEON, Venus-C, NEON-2, INCF, NDGF and NOTUR with multi-national team of 10 EU-Countries.
- ♦ Teaching in Workshops on Cloud computing in Bergen (Norway), Nust (PK), SSUET(PK), Oslo (Norway) and KTH (Sweden).
- ♦ Honored to Work with FOI (Swedish Defense Research Agency) www.foi.se as the researcher for IT Security and to develop the authorization engine for their defense class project.
- ♦ Open-source implementation of OGF Standards.
- ♦ Received **three** scholarship awards and later achieved Gold Medal during Masters of Computer science from SZABIST Karachi www.szabist.edu.pk .
- ♦ Completed MS Information Security from Kungliga Tekniska Hogskolan (KTH, SWEDEN) www.kth.se .
- ♦ Written best IT Security product plan for Stockholm Entrepreneurship program at KTH www.sses.se .
- ♦ Successfully launched own IT Services company registered in Swedish Tax agency as “VigilTek Sweden”.
- ♦ Supported various Swedish companies on behalf of VigilTek in Information Assurance and Security.

EMPLOYMENT HISTORY

KTH-SICS Cloud Innovation Centre, PDC Centre for High Performance Computing, KTH, Stockholm, Sweden www.pdc.kth.se 2010 – Present

Technical Lead, Cloud Computing

Adminstrating Private Cloud computing infrastructure, which is the first of its kind in KTH for e-Science users. Collaborated with SICS to form multiple zone of Cloud federation. Involve with EIT labs, Venus-C and NEON EU Funded Projects for providing Cloud services across Europe.

Key Contributions:

- Managing of Cloud Cluster as seen here <http://www.pdc.kth.se/resources/computers/pdc-cloud/>
- User Support of e-Science community with PDC Cloud.

PDC Centre for High Performance Computing, KTH, Stockholm, Sweden www.pdc.kth.se 2008 – Present

Information Security Officer (EGEE, CERN) /System Administrator

Recruited to establish and manage European-wide information-security programme. Oversee nationwide efforts to identify and evaluate all critical systems of Grid computing. Design and implement security processes and procedures and perform cost benefit analysis on all recommended strategies. Collaborate with Norway, Denmark and Northern Europe regions to conduct in-depth compliance audits and penetration testing. Develop strategy and facilitate CERT (Computer Emergency Response Team) for Sweden and across Nordic countries. Administrated High performance cluster of terra-flops speed.

Key Contributions:

- Managing of HPC Cluster as seen here <http://www.pdc.kth.se/resources/computers>
- User Support of e-Science community with MS HPC server 2008 and Matlab Distributed server
- Instrumental in developing and implementing Business Continuity and Disaster Recovery (BCP & DRP) Plans for Grid cluster.
- Spearheaded creation of four new information-security policies, including Risk Assessment, Vulnerability, Penetration Testing and Security Engineering services.

- Collaborated with European Team for build Risk Assessment Team charged with analysing all critical systems, developing reports to document systems vulnerabilities and recommending appropriate solutions.
- Created company policies and procedures governing corporate security, email and Internet usage, access control, and incident response.

H&M Hennes and Mauritz , Stockholm, Sweden. www.hm.se

March 08 – July 2008

Information Security Risk Manager

H&M is the multi-national retail company having 1500 branches worldwide. Our IT security department Headquartered in Stockholm and manages IT security from all three Hubs- Asia, Europe and USA.

Key Contributions:

- Worked with in the area of IT Security Risk management (NIST), Audit and Rules (CISA) for external and internal IT assets.
- Involved with Bluecoat proxy, ISS Site protector NIPS, PIX firewalls, SSL acceleration, Cisco routers and switches and ePO McAfee product .
- Involved with PCI-DSS compliance team for USA branch and later for Sweden as well.

European Funded OMII-EUROPE Project with PDC, KTH, Stockholm, Sweden omii-europe.org 2007 – 2008

Grid Computing Security Engineer

Working with PDC in the area of distributed systems security and developed a system for OMII Europe project. In this work I provided my services mainly within areas of IT security and development of components for grid computing. I also involved in physical and network or host level security systems

Own Swedish Company VigilTek Sweden, Stockholm, Sweden

2005 – Present

Information Security Consultant

Successfully launched an Entrepreneur venture in the field of IT Security and worked with several Swedish companies as consultant

Key Contributions:

- Secured and Managed e-Commerce web site of Topguard Security AB. www.topguard.se
- Project Manager for Tranadirekt AB www.tranadirekt.se
- IT Consultant for a Financial company www.revidex.se
- Managing Dedicated hosting server with LimeStone Network USA. limestonenetworks.com
- Managing Dedicated hosting server with Hetzner GMBH Germnay . www.hetzner.dk

Anjuman Khudal ul Quran Karachi, Pakistan

2003 – 2005

Information Technology Manager

Controlled and administered nodes consist on three Linux and Windows domain servers with thirty distributed nodes. Administered virtual private server hosted at New York data centre with Fedora and numerous server appliances. Implemented corporate and enterprise policies for governing according to COBIT guidelines.

Badar Soft Consulting, Karachi, Pakistan

2001 – 2002

Software Engineer

HL7 is a framework for health care industry we developed the Health care Management System for local hospital, the reason for using HI7 is to incorporate standardized way of integrating between heterogeneous health care centers. We designed the overall architecture of the application, Client/Jsp were written using Struts which communicates to the Front Controller

ACADEMIC BACKGROUND

Kungliga Tekniska Hogskolan (ROYAL INSTITUTE OF TECHNOLOGY), Stockholm, SWEDEN
www.kth.se

- ♦ ***PhD , Computer science with specialization in Security , 2012-Present***
- ♦ ***Dissertation-prel: "Incident handling in large-scale cloud and bid-data environment"***

Kungliga Tekniska Hogskolan (ROYAL INSTITUTE OF TECHNOLOGY), Stockholm, SWEDEN
www.kth.se

- ♦ ***MS in Information and Communication Systems Security, 2006***
- ♦ ***Dissertation: "Authorization in Semantic based distributed systems" with FOI (Swedish Defense Research Agency)***

Stockholm School of Entrepreneurship Stockholm, SWEDEN www.sses.se

- ♦ *Specialization in ICT Entrepreneurship, 2006*

Shaheed Zulfiqar Institute of Science and Technology (SZABIST), Karachi, PAKISTAN
www.szabist.edu.pk

- ♦ *Masters of Science in Computer, 2004 (GOLD MEDALIST)*

University of Karachi (Sheikh Zayed Islamic Centre), Karachi, PAKISTAN

- ♦ *Bachelor of Islamic Studies with Computer Technology, 2001*

PROFESSIONAL CERTIFICATIONS

- ♦ ISACA CISA (Certified Information System Auditor)
- ♦ IBM 141 Certified XML Solution Developer 2002
- ♦ IBM 486 Object Oriented Analysis & Design Using UML 2001
- ♦ IBM 483 Enterprise Connectivity with J2EE 2002
- ♦ SUN Certified Java Programmer 2001

MEMBERSHIPS AND AFFILIATIONS

- ♦ ISACA Sweden Chapter Information System Auditor Control Association
- ♦ IEEE
- ♦ ACM
- ♦ VOIP Alliance

PUBLICATIONS

- ♦ Benchmarking of Integrated OGSA-BES with the Grid Middleware. Euro-Par Workshops 2008:
- ♦ A Black-Box Approach to Performance Analysis of Grid Middleware. Euro-Par Workshops 2007: 62-71
- ♦ Open Standards-Based Interoperability of Job Submission and Management Interfaces across the Grid Middleware Platforms gLite and UNICORE. eScience 2007: 592-601
- ♦ Several others, just google

Link: http://www.informatik.uni-trier.de/~ley/db/indices/a-tree/s/Shah:Zeeshan_Ali.html