

Thamir M. Qadah

LinkedIn-Profile: <https://www.linkedin.com/in/qadahtm>

Visa-Type: F1-Student

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Highlights

- ✓ Expert in multiple programming languages with different programming paradigms and models
- ✓ Expert in developing software systems with cloud technologies
- ✓ Experienced with Big Data Analytics technologies, and developed extensions to them
- ✓ Experienced in developing scalable multi-threaded and distributed software systems
- ✓ Expert in Web technologies
- ✓ Avid open source programmer <https://github.com/qadahtm>

Education

Expected May 2018

Ph.D. in Electrical and Computer Engineering

Purdue University

Advisors: Walid Aref, Arif Ghafoor

MAY 2014

M.S. in Electrical and Computer Engineering

Purdue University

AUG 2008

M.S. in Computer Science

Cal. State Fullerton

AUG 2005

B.S. in Computer Engineering

KFUPM

Publications

- ✓ Ahmed M. Aly, Ahmed R. Mahmood, Mohamed S. Hassan, Walid G. Aref, Mourad Ouzzani, Hazem Elmeleegy, **Thamir Qadah**: AQWA: Adaptive Query-Workload-Aware Partitioning of Big Spatial Data. **VLDB 2016**. (to appear)
- ✓ Ahmed R. Mahmood, Ahmed M. Aly, **Thamir Qadah**, El Kindi Rezig, Anas Daghistani, Amgad Madkour, Ahmed S. Abdelhamid, Mohamed S. Hassan, Walid G. Aref, Saleh Basalamah: Tornado: A Distributed Spatio-Textual Stream Processing System. **VLDB 2015**

Skills

Languages – Arabic (Native speaking/reading/writing) and English (Fluent speaking/reading/writing)

Software development technologies -

AJAX, Assembly, C, C#, C++, CSS, Glassfish, HTML, Java, JavaScript, jQuery, JSP, Python, Scala, Servlet, SQL, Visual Basic 6/.Net, XML, XPath, XQuery, XSLT

Software Engineering Tools – MS Visual Studio, Eclipse, Netbeans, and Git

Cloud Services – Amazon Web Services, and Google Cloud Platform

Large Scale Data Processing – Hadoop, Spark, and Storm

Database Systems – Oracle, MS SQL Server and MySQL.

Operating Systems – Windows, Linux, Unix, Mac OSX and DOS

General – Excellent leadership, mentoring, communication and presentation skills.

Work Experience

AUG 2011 - Present

Graduate Student

Purdue University,
West Lafayette

- ✓ Developed a full-fledged shell for Linux featuring (Pipes, sequential, conditional and internal commands)
- ✓ Developed a data stream processing engine using Akka.io and Spary.io
- ✓ Developed a full-fledged mini-database management system
- ✓ Evaluated a distributed main-memory cache system on heterogeneous cluster (memcached)
- ✓ Developed a full-fledged compiler system for a small programming language with register allocation optimization
- ✓ Developed a visual analytics tool for analysis of products and offers from Amazon.com

<i>SEP 2010 – Present</i>	Teaching Assistant. <ul style="list-style-type: none"> ✓ Taught undergraduate programming courses in Java ✓ Developed course material for programming courses ✓ Coordinated classes and lab sessions 	Umm Al-Qura University, Saudi Arabia
<i>APR 2009 – MAY 2010</i>	Senior Software Developer <ul style="list-style-type: none"> ✓ Lead and Managed software development projects ✓ Implemented software development processes based on Agile and Rapid Software Application developments ✓ Participated in decision making of the company's software development processes ✓ Conducted technical interviews new job openings ✓ Mentored new hires 	Zykis LLC, USA
<i>SEP 2008 – APR 2009</i>	Software Developer <ul style="list-style-type: none"> ✓ Designed, developed, and implemented data intensive Web and System applications. ✓ Installed, configured and administered application servers ✓ Researched cutting edge software technologies for use in our development 	Zykis LLC, USA
<i>SEP 2006 – AUG 2008</i>	Web Developer <ul style="list-style-type: none"> ✓ Developed and Maintained websites and web applications for various VPSA's departments ✓ Trained new recruits 	Cal State Fullerton, VP Student Affairs Office, USA
<i>MAY 2004 – JUL 2004</i>	Summer Internship <ul style="list-style-type: none"> ✓ Designed and implemented three internal software tools for administrative use: Problem Ticket Calculator, Warehouse Tracking Tool and Employees Tracking Tool. 	Saudi ARAMCO, Saudi Arabia
Professional Certification	<ul style="list-style-type: none"> ✓ IEEE Certified Software Developer Associate (CSDA) ✓ Cisco Certified Network Associate – Completion of two courses 	
Extracurricular Activities	<ul style="list-style-type: none"> ✓ Elected as president of System and Computer Club [2003-2004]. ✓ Participation in organizing the 11th Technical Exchange Meeting of IEEE. ✓ Participation in organizing first WIPRO meeting with the students of College of Computer Science and Engineering [CCSE]. ✓ Social Committee Chair at the Sport Club, KFUPM [2005]. ✓ Member of Club of Industrial Management, KFUPM [2002-2004] ✓ Member of System and Computer Club, KFUPM [2001-2004]. 	
Professional Memberships	<ul style="list-style-type: none"> ✓ IEEE member. ✓ ACM member. 	
Awards	<ul style="list-style-type: none"> ✓ Umm AlQura University scholarship [2011-2018] ✓ Ministry of Higher Education scholarship [2005-2008] ✓ Honorable Mention IBM's Master the Mainframe Contest [2006.2007] 	