

Syed Zeeshan Ali
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Khalifa City, Abu Dhabi, UAE
04/07/2025

Prof. Dr.-Ing. Matthias Böhm
Technische Universität Berlin
Fakultät IV – Institute of Software Engineering and Theoretical Computer Science
FG Big Data Engineering
Ernst-Reuter-Platz 7
10587 Berlin
jobs@dams.tu-berlin.de

Subject: Application for Research Assistant Position (PhD Candidate) – Big Data Engineering (DAMS Lab)

Dear Professor Böhm,

I am writing to express my strong interest in the **Research Assistant (PhD Candidate)** position within the Big Data Engineering (DAMS Lab) at Technische Universität Berlin. With over 15 years of professional experience in software engineering and system architecture—alongside a solid academic background in computer science—I am eager to contribute to your group's system-oriented research on scalable, efficient data-centric machine learning (ML) pipelines.

I hold a Bachelor's degree in Computer Science from the Virtual University of Pakistan and a Master's degree in Computer Science from Muhammad Ali Jinnah University, with a GPA of 3.27. My graduate studies, coupled with hands-on experience in complex system design and data processing, have laid a strong foundation for research in distributed systems and machine learning infrastructure.

Throughout my professional career, I have served in senior engineering roles at organizations such as INJAZAT and Contour Software, leading the development of full-stack applications and enterprise-scale ML solutions. My experience spans **Python**, **Java**, and **C/C++**, as well as tools like **TensorFlow**, **scikit-learn**, and **Keras**. I have actively worked on projects involving model training, optimization, and deployment, which align well with your lab's research focus—from compilation techniques and runtime optimizations to hardware-aware execution strategies.

I am particularly enthusiastic about your research group's efforts to build **language abstractions and system infrastructure for scalable ML workflows**. These are areas where I can offer both practical insight and research-driven inquiry. My recent projects have involved memory optimization, zero-downtime system migrations, and integrating ML-based automation into security-critical systems—experiences that resonate with the DAMS Lab's research mission.

I am proficient in English and currently pursuing improvement in my German skills, with full commitment to becoming classroom-ready in both languages. I also bring with me a strong sense

of teamwork, a passion for mentoring junior developers, and a curiosity-driven mindset essential for doctoral research. Additionally, I hold several industry-recognized certifications, including **Certified Scrum Master**, **Certified Scrum Product Owner**, and **Microsoft Azure Developer Associate**.

Enclosed are my **CV**, **academic transcripts**, and **degree certificates** for your review. I would be honored to further discuss how I can contribute to the DAMS Lab and pursue impactful research under your guidance.

Thank you for considering my application. I look forward to the opportunity of joining your team and contributing to cutting-edge research in Big Data Engineering at TU Berlin.

Sincerely,
Syed Zeeshan Ali

SYED ZEESHAN ALI

SOLUTION ARCHITECT | DEVELOPMENT MANAGER
CSPO | CSM

CONTACT:

Cell: +971 0502195152

Location: Abu Dhabi, UAE

Email: gecezeeshan@gmail.com

LinkedIn: <http://www.linkedin.com/in/gecezeeshan>

OBJECTIVE

To contribute to a results-driven organization by applying my analytical, leadership, and interpersonal skills to develop impactful solutions that drive growth and improve performance, while continuously advancing my own professional development.

ABOUT ME

With 13+ years of hands-on experience in software development and enterprise architecture, I have led full-cycle implementation of scalable IT solutions across multiple domains. My core strength lies in designing and building robust, secure, and maintainable systems using Microsoft technologies, especially **SharePoint**, **.NET**, and **Azure**. I excel at turning complex business needs into well-architected, automated solutions that improve efficiency and reduce operational cost. I'm seeking a senior technical role where I can continue solving real-world problems through innovation and modern software practices.

SKILLS

Platform: Experienced with deep expertise in **OFFICE 365**

(SHAREPOINT ONLINE), SHAREPOINT SERVER

2010/2013/2016, SHAREPOINT FRAMEWORK (SPFX), POWER

APPS, POWER AUTOMATE, POWER BI, NINTEX

Frontend: Skilled in building dynamic, responsive web and mobile applications using **React, React Native, Angular, JavaScript, jQuery**

Database: Highly skilled in database design, architect, performance maintenance **SQL Server, MongoDB, SQL Lite**

Tools and Technologies: **TickerQ, RabbitMQ, Kafka, IAM, Firebase**

Backend: Expert in developing, supporting, and architecting scalable solutions using **C#, ASP.NET Core, Django Python, Node.js**

Cloud: Experienced in cloud-native development and deployment using **AWS, Azure DevOps, Docker, App Services, App Functions**

DESIGNING: Proficient in front-end design and layout using **HTML5, CSS, Bootstrap** and Tools like **ADobe Photoshop and Illustrator**

EDUCATION AND CERTIFICATIONS

ACADEMICS

MASTERS IN COMPUTER SCIENCE, MUHAMMAD ALI JINNAH UNIVERSITY, KARACHI - 2018

BACHELORS IN COMPUTER SCIENCE, VIRTUAL UNIVERSITY OF PAKISTAN - 2007

CERTIFICATIONS

Project Management

CERTIFIED SCRUM MASTER, SCRUM ALLIANCE - Nov 2023

CERTIFIED PRODUCT OWNER, SCRUM ALLIANCE - Feb 2024

Software Development

204-AZURE DEVELOPER ASSOCIATE, [MICROSOFT CERTIFICATION](#) - Oct 2021

400 DevOps Engineer Expert, [MICROSOFT CERTIFICATION](#) - Nov 2021

480 - PROGRAMMING WITH HTML5 WITH JAVASCRIPT AND CSS3, [MICROSOFT CERTIFICATION](#) - Feb 2013

412-CONFIGURING ADVANCED WINDOWSSERVER2012, [MICROSOFT CERTIFICATION](#) - Aug 2014

WORK EXPERIENCE

SOLUTION ARCHITECT/DEVELOPMENT MANAGER, [INJAZAT](#)



Mar 2022 - Present

- Implemented architecture & designs by making efficient use of existing technologies and organization skill set.
- Formalized a consistent set of standards for UI design, coding, documentation, and specifications to improve and maintain performance and other non-functional aspects of the architecture/design.
- Improved scalability of application deployments by designing and implementing simple but very efficient component load-balancing techniques thereby increasing horizontal scalability.
- Ensuring project deliveries and optimizing overall project performance.
- End-to-end meetings with stakeholders for process improvement, planning, integration, and delivery management.

Technologies:

Power Apps, Power Automate, Nintex Workflow, Nintex Form, Office 365, React Native, React, Angular, Node, C#, Python, Machine Learning, Kafka, RabbitMQ, Azure, CI/CD, MongoDB, SQL Server, Docker, Kubernetes

SOLUTION ARCHITECT/DEVELOPMENT TEAM LEAD, [CONTOUR SOFTWARE](#)



May 2014 - Feb 2022

- Architect and develop database solutions, user interfaces, and web services, ensuring robust and scalable outcomes.
- Lead cross-functional collaboration with programmers and developers to define project scope and direction.
- Establish platforms and coding standards for project development, promoting best practices.
- Conduct evaluations of existing software solutions to pinpoint areas for enhancement.
- Provide technical leadership and mentorship to team members, ensuring access to necessary resources and support.
- Facilitate and oversee scrum meetings, including daily stand-ups, planning, reviews, and retrospectives, to drive agile methodologies for project success.
- Coordinate with stakeholders to accurately and efficiently translate and fulfill client requirements.

Technologies:

Power Apps, Power Automate, Nintex Workflow, Nintex Form, Office 365, React Native, React, Angular, Node, C#, Python, Machine Learning, Kafka, RabbitMQ, Azure, CI/CD, SQL Server, GraphQL, Docker, Kubernetes

PRINCIPAL SOFTWARE ENGINEER, [SHAMS SOFTWARE](#)

Apr 2011 - Mar 2014



- Spearheaded development of diverse healthcare solutions, including CRM systems and Android applications.
- Excelled in requirement elicitation and team collaboration to guarantee project success.
- Masterminded the implementation of CI/CD pipelines, enhancing product delivery efficiency.
- Collaborate with cross-functional teams to define, design, and ship new features.

- Troubleshoot, debug, and upgrade existing systems to ensure they meet quality standards.

Technologies:

SharePoint 2016, React, Angular, Sitefinity, Node, C#, RabbitMQ, Azure, CI/CD, SQL Server, REST API's

SENIOR SOFTWARE ENGINEER, ALGORITHM CONSULTING

Aug 2010 - July 2011



- Engineered comprehensive ERP modules tailored for the textile sector, encompassing import/export and financial operations.
- Delivered robust support across multiple projects, adeptly adapting to client needs with Agile methodologies.
- Integrated software components and third-party programs to create fully functional applications.
- Documented system architecture and development processes for future reference and maintenance.

Technologies:

SharePoint, Angular, Node, C#, RabbitMQ, Azure, CI/CD, SQL Server, REST API's

SOFTWARE ENGINEER, NET2APPS TECHNOLOGY

July 2007 - Aug 2010



- Designed, developed, and implemented software applications using C#, Python, or NodeJS.
- Spearheaded the design, development, and deployment of software solutions adhering to the SDLC.
- Conducted thorough investigations into problem areas, delivering robust support and resolutions.
- Employed Agile methodologies, including Scrum, for iterative development and project management.
- Continuously updated technical knowledge and skills by attending workshops, conferences, and online courses.

Technologies:

Angular, Node, C#, RabbitMQ, Azure, CI/CD, SQL Server

Registration No.: SP14-MS-0014

Serial No.: KMS19-0857



Mohammad Ali Jinnah University

To all persons be it known that

Syed Zeeshan Ali

having completed the prescribed studies and satisfied the
requirements for the degree of

Master of Science in Computer Science

in the year 2018

has been admitted to the said Degree with all the rights,
privileges and immunities thereunto appertaining.

In witness whereof, the Board of Governors, Mohammad Ali Jinnah University
has caused this Degree to be signed by the duly authorized officers of
the University with its seal affixed at Karachi, Pakistan,
this twenty Second day of October, 2019.

A large, gold-colored circular seal is positioned on the left side of the certificate. The seal has a decorative border and contains an emblem in the center.

Dean

A handwritten signature in black ink, which appears to read "J. S. Ali", is placed over a horizontal line. This signature corresponds to the title "President" below it.

President

A handwritten signature in black ink, which appears to read "R. M. Ali", is placed over a horizontal line. This signature corresponds to the title "Chancellor" below it.

Chancellor



Mohammad Ali Jinnah University Karachi

Academic Transcript

008524

MASTER OF SCIENCE IN COMPUTER SCIENCE

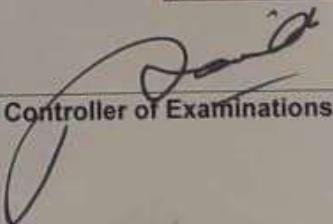
REGISTRATION NO.	STUDENT'S NAME	FATHER'S NAME	DOB Day-Mon-Year
SP14-MS-0014	SYED ZEESHAN ALI	SYED MUHAMMAD SHAKEEL	13-DEC-1983

Course ID	Title of Course	Cr. Hrs	Grade	Course ID	Title of Course	Cr. Hrs	Grade
SEMESTER 1 [Spring 2014]							
CS5333	ADVANCED THEORY OF COMPUTATION	3	A-				
IT5323	E-BUSINESS APPLICATIONS	3	B-				
GPA 3.17							
SEMESTER 2 [Spring 2016]							
CS6153	ADVANCED SOFTWARE PROJECT MANAGEMENT	3	A-				
CS6643	SOFTWARE SYSTEM QUALITY	3	A-				
GPA 3.67							
SEMESTER 3 [Fall 2016]							
CS5303	SOFTWARE AGENTS	3	C-				
CS5510	ADVANCED ANALYSIS OF ALGORITHMS	3	B				
GPA 2.34							
SEMESTER 4 [Spring 2017]							
CS5140	AGILE SOFTWARE PROJECT MANAGEMENT	3	A-				
CS6117	SOFTWARE PROJECT ESTIMATION	3	A				
GPA 3.84							
SEMESTER 5 [Spring 2018]							
CS5110	ADVANCED RESEARCH METHODS	3	B+				
CS6170	DESIGN PATTERNS	3	B+				
GPA 3.33							
The student has successfully completed all requirements of Master of Science in Computer Science.							
NO ENTRIES BELOW THIS LINE							

Credits Earned: 30

CGPA: 3.27

The student has successfully completed all requirements of Master of Science in Computer Science.


Controller of Examinations



Upon the recommendation of

The Faculty of Computer Science and Information Technology

confers upon

Syed Zeeshan Ali

son of Syed Muhammad Shafeel

the degree of

Bachelor of Science in Computer Science (4 year program)

With all the rights, honors and privileges pertaining thereto

given this

twenty seventh day of June two thousand and seven

Mohad Salim

Mohad Salim

Controller of Examinations



Rector

REVISED



TRANSCRIPT OF RECORD
Bachelor of Science in Computer Science (4 year program)

Student ID: BC020400239
 Name: Syed Zeeshan Ali
 Father's Name: Syed Muhammad Shakeel
 D.O.B: December 13, 1983
 CNIC Number: 41303-1600765-5

Registration No: 002-VU-000784
 Registration Date: September 23, 2002
 Result Notification No: VU-CE/BS/07/0001
 Result Notification Date: March 17, 2007
 Mode of Study: Regular



Semester	Code	Course Title	Cr. Hrs.	Grade	G.P.	Equiv. Marks	Remarks
Fall 2002	CS101	Introduction to Computing	3	B	3.20	68.38	
	ENG101	English Comprehension	3	B	3.00	64.89	
	MGT101	Financial Accounting	3	C	2.93	64.20	
Spring 2003	CS201	Introduction to Programming	3	C	2.80	62.00	
	ENG201	Business and Technical English Writing	3	C	2.53	58.00	
	ISL201	Islamic Studies	1	B	3.13	67.00	
	MTH202	Discrete Mathematics	3	C	2.27	54.00	
Summer 2003	MTH301	Calculus II	3	B	3.27	69.00	
	MTH101	Calculus And Analytical Geometry	3	C	2.13	52.00	I
Fall 2003	CS302	Digital Logic Design	3	C	2.00	50.00	
	PAK301	Pakistan Studies	2	C	2.27	54.00	
Spring 2004	CS401	Computer Architecture and Assembly Language Programming	3	D	1.90	49.00	
	CS402	Theory of Automata	3	C	2.67	60.00	
	ECO401	Economics	3	C	2.47	57.00	
	MGT501	Human Resource Management	3	B	3.27	69.00	
	PHY301	Circuit Theory	3	C	2.20	53.00	R
Fall 2004	CS504	Software Engineering - I	3	C	2.27	54.00	
	MTH401	Differential Equations	3	C	2.07	51.00	R
Spring 2005	CS403	Database Management Systems	3	B	3.40	71.00	
	CS501	Advance Computer Architecture	3	C	2.73	61.00	
	CS602	Computer Graphics	3	C	2.93	64.00	
	MGT201	Financial Management	3	B	3.13	67.00	
	MTH501	Linear Algebra	3	C	2.47	57.00	R
	MTH601	Operations Research	3	D	1.90	49.00	
Summer 2005	MGT301	Principles of Marketing	3	B	3.40	71.00	I
	STA301	Statistics and Probability	3	D	1.50	45.00	I
Fall 2005	CS304	Object Oriented Programming	3	B	3.40	71.00	
	CS410	Visual Programming	3	B	3.53	73.00	
	CS601	Data Communication	3	A	4.00	86.00	
	CS604	Operating Systems	3	B	3.20	68.00	
	CS605	Software EngineeringII	3	A	4.00	82.00	
	CS606	Compiler Construction	3	D	1.80	48.00	
	CS614	Data Warehousing	3	B	3.93	79.00	
Spring 2006	CS408	Human Computer Interaction	3	B	3.93	79.00	
	CS502	Fundamentals of Algorithms	3	A	4.00	80.00	I
	CS506	Web Design and Development	3	A	4.00	81.00	
	CS508	Modern Programming Languages	3	B	3.93	79.00	
	CS607	Artificial Intelligence	3	B	3.73	76.00	
	CS609	System Programming	3	B	3.80	77.00	
	CS610	Computer Network	3	B	3.93	79.00	
	MCM301	Communication skills	3	B	3.20	68.00	
	CS619	Final Project - CS619	6	C	2.67	60.00	
Special 2006	CS301	Data Structures	3	C	2.87	63.00	R,I
	MTH603	Numerical Analysis	3	C	2.20	53.00	

CGPA: 2.95
 Overall Equiv. Marks: (2843.47 / 4400) 64.62%
 Credits Earned: 132
 Credits Transferred: 0
 Credits Exempted: 0
 Credits Required: 132
 All requirements completed

Controller of Examinations

Test Report Form

ACADEMIC

NOTE Admission to undergraduate and post graduate courses should be based on the ACADEMIC Reading and Writing Modules.

GENERAL TRAINING Reading and Writing Modules are **not** designed to test the full range of language skills required for academic purposes.

It is recommended that the candidate's language ability as indicated in this Test Report Form be re-assessed **after two years** from the date of the test.

To find out more about IELTS, IELTS band scores and the CEFR levels, please visit ielts.org/scores

Centre Number

AE234

Date

05/MAY/2024

Candidate Number

500118

Candidate Details

Family Name

ALI

First Name(s)

SYED ZEESHAN

Candidate ID

XS1817652



Date of Birth

13/12/1983

Sex (M/F)

M

Scheme Code

Private Candidate

Country or Region of Origin

PAKISTAN

Country of Nationality

URDU

Test Results

Listening

7.5

Reading

6.5

Writing

6.5

Speaking

7.0

Overall Band Score

7.0

CEFR Level

C1

Administrator Comments

Recognising organisations must verify this score at ielts.org/verify

Validation stamp



Date

07/05/2024

Test Report Form Number

24AE500118ALIS234A