Shabbar Raza

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Education

Jacobs University   *Bremen, Germany*

B.Sc. in Computer Science, Class of 2017   *08/2014 - 08/2017*

> **Notable Courses:** Algorithms and Data Structures • Formal Languages and Logic • Computability and Complexity • Machine Learning • Operating Systems • Electrical Engineering • Software Engineering • Databases and Web Applications • Statistical Concepts and Data Analysis • Numerical Methods • IT Management • Marketing • General Logistics • Financial Accounting

Keynesian Institute of Management and Sciences (KIMS)   *Lahore, Pakistan*

Cambridge International General Certificate of Education A and O Levels - STEM subjects   *08/2008 - 08/2014*

- A Level - 3 As (salutatorian)
- O Level - 10 A*/As, 1 B (valedictorian)

Practical Experience

Finvia - *https://finvia.fo*   *Berlin, Germany*

Senior Product Manager   *11/2022 - 07/2023*

- Led the development of software used to compute and manage investment strategies for portfolios with aggregate value of $4+ bn.
- Conducted product and user research to explore and determine effective solutions.
- Formulated and investigated questions to validate hypotheses regarding product strategy.
- Managed priorities and structured requirements coming from a multitude of stakeholders.
- Ensured quality and reliability of deliverables by implementing robust testing procedures.
- Facilitated development of a constructive team culture with spirit of high performance.

Elinvar - *https://elinvar.de*   *Berlin, Germany*

Product Manager - Platform Connectivity   *06/2021 - 10/2022*

- Coordinated new features and enhancements to the platform connectivity.
- Contributed in software architecture design for platform upgrades, while fulfilling scalability goals.
- Implemented measures for enhanced observability and monitoring of software modules serving 1M+ daily transactions.
- Enabled integrations with new custodian banks, financial institutes, and third-party service providers.
- Maintained documentation of software architecture, functions, and integrations.

Datango - *https://datango.com*   *Berlin, Germany*

Product Manager   *01/2020 - 05/2021*

- Managed the roadmap and backlog for an enterprise Learning Management System serving 80+ corporations.
- Performed as Product Owner in the spirit of Scrum framework.
- Defined comprehensive identity & access management and licensing solution accommodating diverse business scenarios.
- Contributed in solution design for adapting legacy modules to modern architecture.
- Delivered product trainings and assisted in managing key accounts.

HR Forecast - *https://hrforecast.com*   *Bremen, Germany*

Product Manager   *06/2018 - 08/2019*

Software Engineer   *01/2018 - 05/2018*

- Led application development from ideation through to deployment for 15k+ end-users at a Fortune 100 company.
- Revamped software security and data protection framework for enterprise solutions based on AWS cloud platform.
- Implemented software modules, and REST APIs for data processing and retrieval using the Spring framework in JAVA.
- Worked on data acquisition, mining, and analysis projects.

DFKI - Robotics Innovation Center - *https://robotik.dfki-bremen.de*   *Bremen, Germany*

Software development intern   *06/2016 - 08/2016*

- Worked on modelling and simulation of robot components using URDF and Solidworks.
- Worked on documentation of software which served as prototype implementation for a project on human-computer interaction.

Jacobs University - *https://www.jacobs-university.de*   *Bremen, Germany*

PRESIDENT - UNDERGRADUATE STUDENT GOVERNMENT (USG)   *09/2016 - 09/2017*

- Served as the head of Undergraduate Student Government which is the representative organization of all undergraduate students at Jacobs University.
- Introduced reforms in USG elections, finance management, disciplinary regulations, outreach methods, having impact on the USG, the student body, and the University at large.
- Cultivated the ability to acknowledge contrasting viewpoints and perspectives on a given issue.

Lahore University of Management and Sciences (LUMS) - *https://lumun.lums.edu.pk/*   *Lahore, Pakistan*

INSTRUCTOR AT LUMS MODEL UNITED NATION (LUMUN) - SOCIAL RESPONSIBILITY PROGRAM   *06/2013 - 07/2013*

- Designed curriculum and tutored a group of STEM students at a charity summer school.
- Planned and supervised educational activities, such as pattern recognition exercises, and number games.

Project Experience

Guided Research - Bachelor Thesis   *Jacobs University, Bremen*

"EXPLORING THE FEASIBILITY OF AUTOMATICALLY FINDING ALIGNMENTS ACROSS MATHEMATICAL LIBRARIES"   *04/2017 - 08/2017*

- Carried out research on construction of mathematical libraries represented in MMT and on the topic of *alignments*.
- Wrote an algorithm that outputs alignments among mathematical theorems.
- Wrote a word segmentation algorithm using dynamic programming approach, optimized for the specific flavour of input strings.

Maze Runner Robot   *Jacobs University, Bremen*

SOFTWARE THAT ENABLES A ROBOT WITH A LASER RANGE FINDER TO AUTONOMOUSLY FIND ITS WAY OUT OF A MAZE   *03/2016 - 04/2016*

- Wrote separate packages for parsing and analysis of scanned data from sensors, and for inference and execution of decisions.
- Learned and practiced software building, testing, documentation, and project management methodologies.

Naya Savera (NGO)   *Lahore, Pakistan*

PROJECT DIRECTOR   *Sep 2013 - Dec 2015*

- Planned and led the installment of water filtration plants in 2 different villages.
- Enhanced my organizational, public speaking, and communication skills while working on fundraising campaigns.
- Learned to maintain high team spirit in order to keep partners and volunteers committed to the projects.
- Facebook: https://www.facebook.com/Nayasaverapk

Skills and Achievements

AWARDS

2017	**Cultural Understanding and Diversity Award**, Jacobs University Bremen	*Bremen, Germany*
2013	**Best Intern Award**, LUMUN - Social Responsibility Program	*Lahore, Pakistan*
2012	**43rd Position Nationally**, Kangroo International Mathematics Contest	*Lahore, Pakistan*

SOFTWARE ENGINEERING

Paradigms & Frameworks: REST, JDBC, SOAP, gRPC, Docker, Kubernetes, Kafka, Git, AWS, Azure, IaC, OAuth, ROS

Prgramming Languages: C, C++, Java, SML, Scala, JavaScript, C#, Python, R, Matlab, SQL, PHP, Prolog, Arduino, LaTeX

TECH TOOLS   Linux, Apache, Nginx, Wordpress, Figma, Kibana, Grafana, Datadog, Sentry, TestRail, MS Power BI, Access, Excel

NATURAL LANGUAGES

English	native/bilingual	**Punjabi**	working proficiency
German	B2 level proficiency	**Hindi**	professional proficiency
Urdu	native/bilingual		

HOBBIES   Badminton, Tennis, Cycling, Roller Skating, Kickboxing, Ballroom Dancing, Sustainability, Commerce, History, Poetry

Shabbar Raza

Berlin,   October 31, 2023.