MD. ARSALAN ABID, B. Tech. MBA.

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Profile

I am currently working as Software Engineer for Cognizant, with over three years of experience in reverse engineering, remediating and redesigning JAVA applications.

Shell | SQL | JAVA | Linux | Big Data
ServiceNow | Developer | Administrator | Cybersecurity

Highlights

- Working on research project "Node based Data Encryption Algorithm with Cyclic Redundancy for HADOOP Distributed File System"
- Authored a book on Amazon Web Services for server management.
- Created a lossless encryption technique on Linux using existing libraries to improve time and space complexity. Published it in an international conference under the "Multi-tier Data encryption Algorithm."
- Developed an open-source file management software using shell script and released it under MIT license on GitHub.

Professional Experience

Cognizant Technology Solutions   **January/2020 to Present**

Cognizant is an American multinational corporation that provides IT services, including digital, technology, consulting, and operations services.

Business Analyst, Kolkata, WB   **January 2023 to Present**

RHEL8 migration is the largest tech currency work project in the last five years. Worked with Royal Bank of Canada to reverse engineer, upgrade and deploy over 250 legacy applications from JAVA 6 to JAVA 11.

Software Engineer – Dev lead, Kolkata, WB   **March/2022 to January/2023**

Remediation and redeploying of over 500 vulnerabilities across 115 (JAVA) applications for Royal Bank of Canada. Migration of the said applications was done from SVN to GitHub.

Big Data Engineer, Kolkata, WB   **February/2021 to March/2022**

Reverse engineering, business rule extraction and redesigning of Data Torrent framework (JAVA) for Royal Bank of Canada. Migration and deployment of the said project to Scala with Spark SQL.

Programmer Analyst, CIS-Cloud-AWS Core Kolkata, WB   **December/2020 to February/2021**

Trained under ServiceNow Testing and Automated Test Framework – Certified ServiceNow System Administrator.

Programmer Analyst Trainee, Chennai, TN   **January/2020 to May/2020**

Project Lead: Automation of Task Assignment – An automation application developed in ServiceNow that can distribute tasks based on constraints like experience, status and priority.

Professional Development and Certifications

Rank 1 worldwide – Python, HackerRank	**December 2022**
2022 Complete Python Bootcamp, Udemy	**September 2022**
Performance Analytics, ServiceNow	**April 2021**
Scrum Agile Project Management, Udemy	**January 2021**
Amazon Elastic Compute Cloud (EC2), Amazon	**December 2020**
Microsoft Excel Basic to Advanced Certification, Udemy	**January 2020**

Education

Indian Institute of Technology, Jodhpur, 2023

    M.Tech., Majoring in Data and Computational Science.

National Institute of Business Management, Chennai, 2022

    MBA., Majoring in Artificial Intelligence and Cloud Computing.

        Passed with aggregate of 9 CGPA.

Sathyabama Institute of Science and Technology, Chennai, 2020

    B.Tech., Majored in Information Technology.

        Passed with aggregate of 8.95 CGPA.

Publications

Multi-Tier Data Encryption Algorithm

    4th International Conference on Trends in Electronics and Informatics (ICOEI 2020) - IEEE, ISBN: 978-1-7281-5517-3

    The algorithm(implemented using POSIX) performs encryption and decryption of data using pre-existing libraries(TAR, a utility from GNU project, OpenSSL, a toolkit containing the implementations of SSL and TLS protocols, Advanced encryption Standard, AES-256-CBC and other open source libraries) to improve space complexity.

Extracurricular and Volunteer Activities

Amcat, Online platform

AMCAT is the world's most widely-used employability test for job matching.

    Student Partner – Served as liaison for Amcat, providing more than 100 students opportunities to get into internships and jobs during my final year.

Government Blockchain Association, Fairfax, Virginia

An international non-profit association helping promote and implement blockchain technology solutions to the government.

    Campus Ambassador and Event Organizer – Organised events and led groups of over 250 students on behalf of the Association.

Innovation Club, Sathyabama University, Chennai

A collaboration of various schools of engineering to bring new innovations to the table.

    Lead Programmer – Served as lead programmer designing, implementing, and adapting the software required in over 18 projects.

7Cups, Online platform

7 Cups is an on-demand health service and therapy provider, based in Palo Alto, CA.

    Counsellor – Five starred therapist. Helped and guided over 850 veterans, professionals, and students through PTSD, depression, and anxiety.