



**RISHI JAIN**

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Career Objective: Continuously drive for excellence, strive for data-driven decision making and streamline Risk Management & Information Security approach

## WORK EXPERIENCES

**Qubole Inc.** - Santa Clara, California, USA

January 2020 – Present

*Full-Time Technology Risk Specialist – Security / GRC Team*

- **Risk Management Program** - Formalization & Improvisation on traditional Risk Management Program to improve how Technology Risks are identified, assessed and mitigated through the Qubole's SaaS, Open Data Lake Platform - was a successful project enhancing risk structure.
- **Audit Automation using Python for Big Data** - Automated Audit Procedures through 10 disparate Cloud Systems and Applications to perform audit testing (ex. User Access Review) using Python APIs, Big Data Analytics, Airflow DAGs, MySQL, Database Management, Shell Scripting, AWS Lambda functions, and Curl commands to fetch data and build analytics to determine audit exceptions. Successful implementation reduced 20+ work hours (quarterly), improved accuracy and increased testing frequency from Quarterly to Weekly.
- **Internal Audit** - Performed Annual ISMS Internal Controls Audit to assess the operative effectiveness of Qubole's ISO and SOC2 controls. Worked with cross functional process owners and stakeholders to address control audit exceptions and identify process improvements.
- **External Audit Experience** - Successful completion of External Audits for frameworks - ISO 27001, SOC 2 Type 2 and HIPAA (GDPR & CCPA).
- **Business Continuity Plan** - Structured a formal BCP plan through Business Impact Analysis and interviewing stakeholders – ongoing project
- **Vendor Assessments** - Conducted 3<sup>rd</sup> party vendors security risk assessments to identify implementation risks & evaluate security program.
- **Security Operations** - Vulnerability Scans, Alert Assessments, Customer Security Support, InfoSec Policy and Process Review, Cloud Security.

**Ernst & Young LLP** - Tysons, Virginia, USA

June 2019 – August 2019

*Summer Internship - Risk Advisory Program (FSO)*

- Client Facing Technology Risk Assurance and Financial Audit with IT Integration, in compliance with SOX-404, SOC 2 Type 2 evaluations.
- Scope and Strategy Development, Client Service Management, Walkthrough for Audit Procedures for Banking and Financial sector clients.
- **Robotic Process Automation** using the in-house RPA tool for evidence retrieval, analytics and audit evidence prep – reduced work hours.

**Robert H. Smith School of Business, University of Maryland** - College Park, Maryland, USA

November 2018 – December 2019

*Graduate Research Assistant - Office of Career Services Technology Team*

- **Salesforce Cloud-Integration Project** - Developed ubiquitous system to integrate and synchronize data movement and operations using SQL and Python API. Client facing requirement gathering and successful implementations - reduced redundancy of data across platforms.
- Strategy and Innovation Development for business school to enhance Student Database Management System by implementing third party integrated and affiliated platforms housed by the team through 12Twenty using SQL and Database Administration was a huge success.
- Improved and Developed the career services portal and student database of the business school called HireSmith (ERP / CRM Tool).

**Ernst & Young LLP** - Bangalore, India

July 2017 - June 2018

*Full-Time Risk Analyst II in IT Risk Advisory (FSO Americas)*

- Performed IT Audits, Anti-Money Laundering Audits, Cybersecurity Audits, SOC-1 Report Evaluation, SOC-2 Testing (SOX-404) Testing for US based Wealth & Asset Management, and Banking Sector Clients through risk assessment and creation of controls to mitigate the risk.
- Created multi-purpose controls (ITGC) to mitigate multiple risks over Manage Access, Manage Control and IT Operations, all together, reducing multiple assessments of the client IT systems enhancing the testing efficiency and eliminating redundant controls.
- **Promoted to Operation Analyst (TruSight Solutions: EY TPRM Project)** - Subject matter expert in evaluation of Verified Best Practice Questionnaire for Security posture of 3<sup>rd</sup> Parties associated with Banks - American Express, Bank of America, Wells Fargo, BNYM and JPMC.
- Contributed through the build phase of TruSight to perform similar operations with reduced human intervention and time consumption.

## KEY SKILLS

**Research Interests:** Big Data Analytics for Risk Management Improvements and Automation of processes.

**Professional Competencies:** CISSP\*, IT Audits, Audit Automation, Big Data Analytics, Cloud Security Operations (AWS, GCP, Azure), IAM, DBMS, Risk Management, SOC Evaluation (SOX-404), Python REST API, Third Party Risk Management, BCP Strategy, Vendor Risk Assessment, FAIT.

**Technical Skills:** Python, Lambda(AWS), Shell Scripting (Linux), DAG, R, SQL, Hive, Presto, UML, API Scripting, Visualization, C++, HTML5, CSS, ACL.

**Software / Platforms:** Python Anaconda, AWS Console, Linux OS, Airflow, Azure, Google Cloud, ZenGRC, Atlassian, CMD, Pagerduty, SumoLogic, Bitbucket, Sophos, R Studio, Alteryx, Power-BI, Salesforce, 12-Twenty, Advanced Excel (VBA), Tableau, Lucid Chart.

## EDUCATION

**University of Maryland** - College Park, Maryland, USA

Fall 2018 - December 2019

*Masters of Information Management - Data Analytics Specialization*

Coursework - Data Analytics, Data Science, Business Process Modelling, Risk Assessments, Visual Analytics, User Experience, Statistics (R)

**Visvesvaraya Technological University** - Bangalore, India

2013 - 2017

*Bachelor of Engineering - Computer Science Engineering*

## RESEARCH PAPERS<sup>(+2)</sup> & CERTIFICATIONS<sup>(+3)</sup> & LEADERSHIP SKILLS

- Business Analytics and Data Mining Techniques using Predictive Algorithms to enhance Business Intelligence  
- *Author, Published in 2019 through ISER ICABMIS in Los Angeles, California* - Paper ID: IS-ABMISLASVGS-17049-11720
- **CISSP** - Certified Information Systems Security Professional (Training Completion\*) | Cert Aim - Dec'20) - **Simplilearn Certificate Code: 803709**
- AWS Certified SysOps Administrator - **Cert License UC-190VVYCV** • Sumo Logic Security & Compliance - **Cert License WEWX8XWA288Q**
- Peer elected **Vice President** of MIMSA (Lead university fund raisers); **Founder** - Aura 'E-Cell' - (Hosted nationwide B-plan competitions).