

Roshan Gautam

Edwardsville, IL | (618) 471-0801 | roshangautam356@gmail.com | linkedin.com/in/roshangautam-rg | roshangautam.me

PROFESSIONAL SUMMARY

Technology professional with 6+ years performing business analysis, quality assurance, and data validation functions in software engineering roles, bridging technical delivery and business strategy. Proven expertise in requirements elicitation, functional specifications, stakeholder management, and data analysis, achieving 25% reduction in change requests and 95% UAT acceptance rates. Strong analytical foundation with MS in Management Information Systems (4.0 GPA) and hands-on proficiency in SQL, Power BI, Tableau, JIRA, and Agile methodologies. Open to relocation within the US.

CORE COMPETENCIES

Business Analysis and Requirements: Requirements Elicitation, Functional Specifications, User Stories, Gap Analysis, Process Documentation, BRDs/FRDs, Use Cases, Requirements Traceability Matrix (RTM)

Data Analysis and Reporting: SQL, Power BI, Tableau, R, Excel, Data Validation, Data Mapping, KPI Development, Dashboard Design, Survey Design (Qualtrics)

Quality Assurance: Test Strategy, Test Automation, API Testing, UI Testing, Performance Testing, Regression Testing, Test Case Development, Defect Management

Agile and Product: Agile/Scrum, Sprint Planning, Backlog Refinement, Scrum Master Experience, Stakeholder Management, Cross-functional Collaboration, Product Lifecycle

Tools and Technology: JIRA, Confluence, Draw.io, AWS, RESTful APIs, Git, Jenkins, JMeter, Selenium, OBIEE, ODI

EXPERIENCE

Verisk Analytics | Jersey City, NJ | Senior Software Engineer | Aug 2022 – Aug 2024

- Worked with product owners and business teams to gather and document functional requirements for 20+ data-intensive enterprise modules
- Analyzed workflows to identify process gaps and recommend improvements for data accuracy and system efficiency
- Coordinated UAT with stakeholders, translating business rules into test scenarios and system configurations
- Led cross-functional delivery efforts between business, development, and operations teams
- Mentored 7 engineers and onboarded 15 team members on processes and technical standards
- Delivered 3 training sessions to 180+ IT professionals on automation and delivery practices

Verisk Analytics | Jersey City, NJ | Software Engineer | May 2020 – Jul 2022

- Translated business requirements into AWS-based technical prototypes for proof-of-concept evaluations
- Facilitated Agile ceremonies as Scrum Master for offshore team of 6-8 members, maintaining 95%+ sprint goal achievement while creating Power BI dashboards that enabled data-driven decision-making
- Validated system performance and functionality against business SLAs through testing and analysis
- Partnered with offshore teams across time zones on delivery coordination

Verisk Analytics | Jersey City, NJ | Associate Software Engineer | Nov 2018 – Apr 2020

- Supported business requirements documentation and data validation for complex auto telematics algorithms across 21 projects, improving data quality metrics by 35% through automated reconciliation frameworks
- Implemented CI/CD automation using Jenkins to trigger validation scripts, and developed PostgreSQL database validation scripts for data integrity verification

Verisk Analytics | Jersey City, NJ | Trainee | Sep 2018 – Oct 2018

- Completed comprehensive training in manual testing, test automation, and Agile methodologies before implementing API validation automation on live production projects

Logic Information Systems | Kumaripati, Lalitpur | Software Engineering Intern | Jun 2018 – Aug 2018

- Developed 26 SQL stored procedures for data migration across 7 retail warehousing projects
 - Created reports using OBIEE and BI Publisher for business intelligence applications
-

ACADEMIC AND RESEARCH EXPERIENCE

Southern Illinois University Edwardsville

Edwardsville, Illinois

Graduate Assistant – NSF-Funded Multi-Institution Research Project

Sep 2024 - Present

- Design and analyze surveys for \$2M NSF project across 8 universities
- Coordinate stakeholder meetings for 50+ participants and maintain centralized documentation repository, improving collaboration efficiency by 40%

CMIS and Computer Science Departmental Tutor

May 2024 – Present

- Mentor 50+ undergraduates in data analytics, SQL, R programming, and software testing, with students typically improving grades by one letter level
-

GRADUATE PROJECTS

Employee Attrition Analysis

- Analyzed 74K employee dataset using decision-tree modeling to identify retention drivers

Cybersecurity Risk Assessment

- Evaluated business impact of endpoint security threats with mitigation recommendations
-

CERTIFICATIONS AND TRAININGS

CompTIA Security+ (TestOut) | CompTIA | Completed

ISTQB Certified Tester – Foundation Level (CTFL) | ISTQB | Completed

AWS Certified Cloud Practitioner | Amazon Web Services | Dec 2021 – Dec 2024

CITI Program – Research Compliance & Information Privacy | Collaborative Institutional Training Initiative (Human Subjects Research / IRB, Responsible Conduct of Research, Information Privacy & Security)

Generative AI with Large Language Models | Coursera | Apr 2024

Accelerate Your Leadership Program | Verisk Talent Development & LinkedIn Learning | Mar 2024 – Jun 2024

Business Communication Training Program | English for All Institute, Nepal | Dec 2018

EDUCATION

Southern Illinois University Edwardsville

Edwardsville, Illinois

Master of Science in Management Information Systems (Expected May 2026)

CGPA: 4.0/4.0

Kathmandu University

Dhulikhel, Kavre

Bachelor of Engineering in Computer Engineering

LEADERSHIP, RECOGNITION AND AWARDS

- 5x Verisk Way to Go Award for solution delivery, collaboration, and mentorship (2019-2024)
- Organized university tech event with 2,500+ participants and NPR 150,000+ in sponsorships