

**Sarba Roy**

IT Security and Risk Consultant

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# Experience Summary

* I am a Cybersecurity Consultant with 8 years of overall IT experience as an IT Risk/ IT Security/Pre-sales/Quality Assurance Consultant/Analyst with expertise in IT Risk Advisory and Security Consulting, Security Engineering, Penetration Testing and Pre-sales consulting support.
* I am proficient in conducting IT Risk Assessments, Secure Architecture Design Review, Secure Code Review, Vulnerability Assessment Penetration Testing for Applications, Infrastructure and APIs.
* I have knowledge on OWASP, GDPR, SOX and NIST-800 compliance frameworks.
* My IT Risk Consulting experience spreads across IT Resillience, Platform Security, Security Monitoring, IAM, Change Management and SOX tests for a leading European Bank.
* My Security Pre-sales consulting experience includes RFP/RFI responses creation, solution descriptions and product demonstrations, estimation and resource loading for Security test assessments.
* I ensured quality delivery to customers in Banking & Finance and Telecom domains while meeting stringent timelines in Europe, India and Indonesia.
* I have experience in Waterfall, Agile and Scrum methodologies.
* My strengths include good analytical, problem solving and communication skills. I love collaborating and working in teams.
* I am a volunteer at heart and I am passionate about being a contributor in Cybersecurity mentoring, supporting Gender Equality and enabling Equal Education opportunities globally.

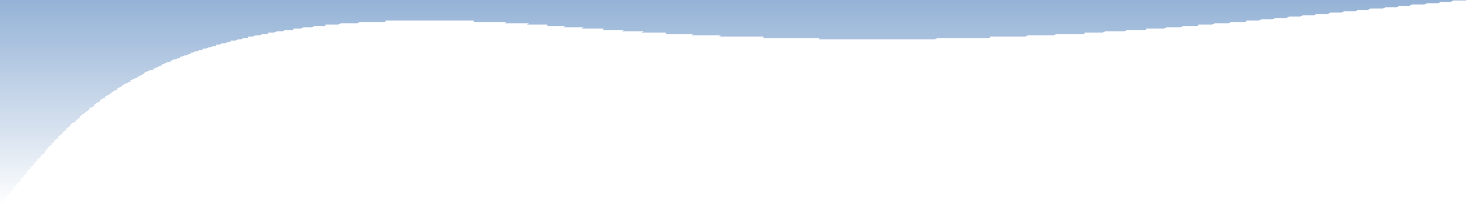
# Education

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| **Qualification** | **Stream** | **Institute** | **Year** |
| Bachelor of Engineering | Computer Science | College of Engineering  and Technology, Bhubaneswar | 2012 |
| Micromasters in Cybersecurity  (Part-time/Online Degree) | Computer Science | Rochester Institute of Technology, New York  Supported by edX | Currently  pursuing |

**Technical Skills**

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| **Certifications** | * Certificates in Cybersecurity Risk Managament, Digital Forensics, Network Security and Application Security from Rochester Institute of Technology, New York * Certificate in Risk Management for Cybersecurity and IT Managers from Udemy * Certified Ethical Hacker from EC Council * Secured 10th Position in Best Ethical Hacker Contest 2017 Edition among 4000+ participants in Tata Consultancy Services * Preparing for CISSP |
| **Ethical Hacking/Vulnerability Assessment/Penetration Testing Tools** | * **Secure Code Review** : Yasca, IBM AppScan Source Edition, FindBugs, HP Fortify * **Application Vulnerability Assessment and Penetration Testing** : Burpsuite, OWASP ZAP, Appspider, HP WebInspect, IBM AppScan * **Network level Vulnerability Assessment** : Qualys, Nmap, OpenVAS * **Network level Penetration Testing** : Metasploit Framework, Armitage * **API Security Testing** : WebScarab, SOAP UI, Postman * **Distributed Denial of Service** : Goldeneye |

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| **Programming Languages** | Python, Java |
| **Compliance Frameworks** | SOX, GDPR, OWASP, NIST-800 |
| **Monitoring** | HP ArcSight |
| **Change and Incident Management** | ServiceNow |
| **IT Risk** | iRisk |
| **Collaboration** | Confluence |
| **Password vaults** | Cyberark |
| **SDLC** | Agile, Waterfall |
| **Operating Systems** | Linux, Windows |
| **Other Tools** | MS Office |
| **Industries** | Banking & Finance, Healthcare, Telecom |



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IT Risk Consultant/Security Analyst

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# Communication Skills, Mentoring and Pre-sales Experience

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| **Communication Skills** | * Certified in Business English at Vantage level from University of Cambridge, UK * Competent Leader and Communicator certification from Toastmasters International * Leardership and Communication : ASCENT Certification from TCS |
| **Volunteering and Mentoring** | * Founding Member, Ambassador and Digital Marketing Volunteer for WomenH2H, a global community for women leaders and changemakers * Member of Women in Cybersecurity(WiCyS) community * Cybersecurity mentor for Hunter College, NYC and Full Stack Academy |
| **Pre-sales Experience** | * Handling the Request For Proposals, Estimation and Resource Loading for Security test assessments * Business requirements gathering and translation into sales and marketing collaterals * Creating brand visibility and customer touch points through integrated brand campaigns, account based marketing, media relations, industry partnerships and thought leadership * Designing Process, Roadmaps, Strategy, Plans, RACI for Application Security Programs. |

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# Experience

* **Role** : IT Risk and Security Consultant for ING Bank Netherlands (From Tata Consultancy Services)
* **Location** : Amsterdam, The Netherlands
* **Duration** : June 2017 – Oct 2019
* **Responsibilities**:
  + Advisory on IT Resillience, Platform Security, Security Monitoring, IAM, Change Management and SOX Testing for stakeholders including IT Management, DevOps teams and Corporate Audit Services
  + Consulting support on Risk Assessments, Threat Modeling, Secure Architecture & Design Review, Secure Code Review, Advanced Persistent Threat (APT) Analysis and Distributed Denial of Service Attacks to prepare for regular audits performed by stakeholders including European Central Bank
  + Vulnerability Assessment & Penetration Testing for Applications, Infrastructure, APIs in order to illustrate risks and provide prioritized recommendations to client.
  + Alignment with Devops and business in order to achieve sustainable IT risk measurement score for the IT assets in alignment with IT Risk Framework
  + Security consulting for feasibility study, tool fitment analysis, strategy definition, test plan creation, Security process implementation and roadmap definition
  + IT Risk pre-sales consulting support in Belgium, Spain and Netherlands
  + IT Risk and Security training awareness sessions for DevOps teams in collaboration with Bank CISO
* **Role** : Penetration Tester/Information Security Analyst(From Tata Consultancy Services)
* **Location** : Bhubaneswar & Chennai (India), Jakarta (Indonesia), Amsterdam (Netherlands)
* **Duration** : Sep 2013 – May 2017
* **Responsibilities**:
  + Conducted 100+ hours of Information Security Awareness sessions to various groups and clients of TCS on topics including Authentication, Authorization , Session Management, Data Security , Client Side Attacks , Data Validation , Buffer Overflow and Denial of Service
  + Worked across multiple domains such as Banking and Financial Services, Retail, Telecom and Health Care across India, Indonesia, UK and Netherlands
  + Took 10+ TCS – Security presales and expertise sessions to CXO’s, Director, Senior Technical Manager, Senior Executive members of companies
  + Alignment with customer/business in order to define the requirements for the websites, requirement analysis and design approach definition and security strategy definition.
  + Penetration testing for web applications,infrastructure and web services assessment for on-premise and cloud based applications
  + Secure Code Review and Tool fitment analysis for a leading bank in Indonesia
  + Installing and execution of Scanners and other Security assessment tools
  + Training sessions for Security Testing, OWASP and Secure Programming Practices Web Service Security and Secure Code Review.
  + Working with the sales team for the RFP/RFI responses creation, solution descriptions and product demonstrations, estimation and resource loading for Security test assessments

* **Role** : Functional Test Analyst for Allianz Global (From Tata Consultancy Services)
* **Location** : Bangalore (India)
* **Duration** : Jan 2013 – Aug 2013
* **Responsibilities**:
  + Functional Testing with Insurance domain,
  + Test Life Cycle Implementation using HP Quality Center and Knowledge on Test Automation using QTP.
* **Role** : Trainee in the Initial Learning Program (From Tata Consultancy Services)
* **Location** : Trivandrum (India)
* **Duration** : Oct 2012 – Dec 2012
* **Responsibilities**:
  + Module Lead for the final project delivery i.e. “Online Telecom Bill Enquiry System” implemented using Java, J2EE, Struts, Hibernate
  + Awarded ILP Kudos for exceptional leadership and communication

# Awards

# 56 Awards and 11 Appreciations in Tata Consultancy Services from 2012 to 2019 for Performance, Customer Satisfaction and Volunteering

* Consecutive Customer Satisfaction index of 150% and 100% from Global Head IT, Lending and Trade in ING for IT Risk
* In the winning team of IT Risk Hackathon at ING – Aug 2018 among 80+ participants across ING
* Winner of TCS ING Ideathon – Nov 2018 among 200+ participants
* Secured 10th Position in Best Ethical Hacker Contest 2017 Edition among 4000+ participants globally at Tata Consultancy Services