**BIBHAS DHARA**

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**JOB OBJECTIVE**

Aiming for assignments in **Application Security /Project & Risk Management / Internal Auditing/Information Security/Network Security/Cloud Security** with a leading organisation in IT / Banking industry, preferably in Kolkata/Bangalore / Hyderabad / Delhi.

**PROFILE SUMMARY**

* An **IBM,ISACA,CISCO,AWS Certified** with **15 years+** experience mostly on BFSI in **Project Management, Application Security Architecting, DevSecOps, Azure DevOps Infrastructure Security, Internal Audit, Risk Assessment, Cyber Security, Cloud security** out of **21 years experience in IT.**
* Expertise in concepts of end-to-end **project planning and implementation** from scope management, activity sequencing, effort & cost estimation, risk analysis to quality management in line with international guidelines
* Strong abilities in **Incident management**, **executing internal audit**, **defining security policies** and procedures & **directing compliance program across the projects.**
* Expertise in handling **Risk Assessment** with Archer & eGRC Solution and **Penetration Testing** using IBM Appscan, Fortify, Burp Suite, Nmap, Backtrack5,Threat modelling and Secure Design Review, Mobile application (Anroid) Security, Application Security Architecture Review, Infrastructure Security using QualysGuard and ISO 27001.
* Skills in **developing and implementing secure Internet applications** with varied **security products** like Appscan, Fortify, Nmap, Burp Suite and Webinspect.
* Possess excellent analytical &problem solving skills.
* SIEM tools QRadar.
* Cloud Security best practice.

**WORK EXPERIENCE**

**May’20- Till to date McCormick (Application Security Architect)**

**Nov’16- May’2020 Capgemini India(Manager)**

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**June’14-Sept’ 16 GENPACT Hyderabad (Manager)**

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**May’10-May’13 Cognizant Technology Solution Pvt. Ltd.**

 **Technology Specialist**



**Nov’08-Apr’10 ITC InfoTech India Ltd., Associate Consultant**



**Jun’05-Sept’08 Wipro Technologies, Senior Software Engineer**



**Apr’04-Jun’05 TCS, Kolkata Payroll by AMI Industries (India)Pvt.Ltd.**

 **Consultant**



**Nov’02-Apr’04 Techna Digital Services (Pvt.) Ltd., Software Developer**

**Apr’01-Oct’02 Puspa Informatics (I),Software Developer**



**Key Result Areas:**

* Planned project activities viz. scoping, estimation, tracking, change management, delivery management & post implementation support
* Monitored offshore delivery management for technical deliverables of concurrent projects
* Mapped clients’ requirements and provided them best solutions
* Framed architectural decisions, provided leadership & direction in the areas of technology and product development to facilitate and enable growth and business agility
* Directed software development activities for business process mapping of the client and identifying appropriate development methodology
* Implemented IT project plans within pre-set budgets and designing the complete infrastructure
* Oversaw ITIL process including, Issues Management,Risk Management, Scope Change Management, Communications Management etc.
* Documented, tracked and communicated bugs, enhancements, analysis and unresolved problems

PerformedManual Source Code Review,SIT,Unit Testing, Penetration Testing & Source Code Review, Secure Application Architecture Review, InternalAuditand worked within project deadlines

* **EDUCATION**

 **MCA**

 **Post Graduate Diploma in Information Management**

 **B.Sc.**Mathematics (Hon’s).

**IT SKILLS**

* IBM Rational Appscan
* HP Web Inspect
* Nmap
* Burp Suite
* Fortify SCA
* QualysGuard
* QRadar
* Threat Modelling
* BackTrack5
* Risk Assessment using Archer (Reporting)
* ISO 27001,PCI DSS
* Project management

**CERTIFICATIONS**

* **Security:** CISA**,**CISM,CCNP Security, Azure AZ-500, SC-100 , CEH, CHFI, ISO 27001:2005 (LA), COBIT 5, CSA STAR(Cloud Security), IBM Certified Specialist - Rational Appscan Standard Edition-Test 000-139**,**ITIL V3 Foundation
* **Architecture& Cloud:**TOGAF 9.1, AWS Solution Architect(A)
* **Management: Prince2 (Practitioner),CSM**
* **Network: CCNA (S&R)**
* PMP (Trained).
* Pursuing CSSP for 2021

**Valid B1 upto 2025.**

**PERSONAL DETAILS**

Date of Birth : 14th August, 1972

Languages Known : Bengali, English and Hindi

Address : 2/3, Gobinda Bose Lane, Bhwanipore, Gr.Floor, , Kolkata –700025(Permanent)

 (Hyderabad Street No 8, Pin-500007, Current Address)

Passport Details : R8840595

Marital Status : Married

 **ANNEXURE**

Title : **Application Security Architect**

Period : May’2020 to till date

Location : Delhi

Tools Used : Azure Cloud, SaaS service, SNYK, DevOps, Web Inspect, Fortify, Burp Suite

Company : McCormick

Role : Leading Application Security

* Created Application Security Framework which McCormick is using use
* Leading DevSecOps and Azure DevOps Practice.
* SaaS based application architecture review
* Cloud security architecture review
* Identify Tool for Static scan (Fortify on Demand) in our DevOps environment and integrate with TeamCity
* Leading Application security practice with 8 Team member
* Have identified tools for IAST and RASP.
* Creating Awareness session for developer on Application security.
* Handling Vendors, Stakeholder
* Reviewing Design for Security on SaaS based application as well as others, On-Prem
* Have experience on Purview and Selenium

Title : **Application Security Architect and Vulnerability Management**

Period : November’16 to May’2020

Location : Chennai

Tools Used : QualysGuard, Web Inspect, Fortify, Burp Suite

Client : Synchrony Bank

Role : Manager(Security Architect)

* Delivered the projects on time, within budget and to the satisfaction of the customer
* Application architecture review specially on SaaS
* Cloud Security architecture review
* Planned and managed the execution of application penetration testing on the project, involved in the preparation and execution of the tests, requirement gathering, Planning, Estimation
* Took overall ownership of all management reports on a given engagement
* Performed patch compliance and antivirus update checks on a random sample of desktops
* Set up Vulnerability management process and Sever and application pen testing
* Presales activity, writing RFP,SOW for international client,
* Executed Vulnerability Assessment using QualysGuard follow-up to close until all vulnerabilities.
* Helping security Audit based on PCI DSS. Implement Policy ,procedure and review those time to time
* Helping for running Micro services secure code review scan using Jenkins and Fortify to developers
* Secure end to end Application Architecture review assessment
* Prepared Cloud Security Controls based on CSA and help infra team for AWS security Best Practice.
* Involved Agile methodology using Jira for web Application and infrastructure security testing using tools like Fortify, Web inspect, Bupsuite, Checkmarks and Qualys Guard.
* Managing application security and vulnerability management team both CG and vendor. Belongs to client security architecture leadership team.
* Worked Threat model using Microsoft Threat model tool.
* Experience on DevSecOps CI/CD and automation practices
* Configured Fortify in CI/CD pipeline.

Title : **Vulnerability Management and Application Security**

Period : May’15 –September’16

Location : Hyderabad

Tools Used : QualysGuard, Web Inspect,IBM QRadar

Client : Ingram Micro

Role : Principle Consultant

* Delivered the projects on time, within budget and to the satisfaction of the customer
* Planned and managed the execution of application penetration testing on the project, involved in the preparation and execution of the tests, requirement gathering, Planning, Estimation
* Took overall ownership of all management reports on a given engagement
* Performed patch compliance and antivirus update checks on a random sample of desktops
* Set up Vulnerability management process
* Writing RFP,SOW for international client, Leading Application security practice
* Executed Vulnerability Assessment using QualysGuard follow-up to close until all vulnerabilities.
* Security Audit based on ISO 27001, PCI DSS and Cloud Security Control.
* Secure end to end Application Architecture review assessment
* Writing Cloud Security Control test based on CSA,
* Web Application Penetration testing using Webinspect,Bupsuite and Nmap, Mobile application (Anroid) assessment
* IOT (REST API Testing )
* Manage 24\*7 support log analysis using IBM QRadar and manage incident management L1 team

**KEY PROJECTS HANDLED**

Title : **Vulnerability Management and Application Security**

Period : June’14 –April ‘2015

Location : Hyderabad

Tools Used : QualysGuard,IBMAppscan, Fortify

Client : Genpact

Role : Manager

* Delivered the projects on time, within budget and to the satisfaction of the customer
* Took overall ownership of all management reports on a given engagement
* Performed patch compliance and antivirus update checks on a random sample of desktops
* Verified Patch related risk
* Executed Vulnerability Assessment using QualysGuard and follow-up to close until all vulnerabilities.
* Security Audit based on ISO 27001, PCI DSS and Cloud Security Control. .
* Secure Application Architecture Review
* Web and Anroid mobile Application Penetration testing using IBM Appscan, Burp suite and Fortify
* Manage 24\*7 support log analysis using IBM QRadar

Title : **Internal Audit and Support External Auditor**

Period : Jul’12-May’13

Location : Kolkata

Tools Used : Nipper, Encase,Appscan8.0.0.2, Burp Suite and Nmap,QualysGuard

Client : Walgreens

Synopsis : The objective of the project was to execute internal audit quarterly and as a regular activity on Physical Security and Logical Security, training for new joiner and existing employee for security awareness and yearly audit with external Auditor. The project also defined policy for Walgreens and implemented policy for ODC.

Role : Project Lead

* Delivered the projects on time, within budget and to the satisfaction of the customer
* Prepared Clean room security posture upkeep, reports and logs for physical security incidents
* Reconciled valid access list of the ODC and notified Project Managers to withdraw update exception table on a monthly basis
* Assist solutions team in proposals and RFP's review and writing SOW
* Took overall ownership of all management reports on a given engagement
* Performed patch compliance and antivirus update checks on a random sample of desktops
* Checked Service Provider to ensure that firewalls with adequate ACL (Access Control Lists) are enforced for all network segmentation, connections and interconnections
* VerifiedData Network Configuration
* Executed Vulnerability Assessment using Appscan and QualysGuard
* Security Audit based on ISO27001,PCI

Title : **Application securityAssessment**

Period : May’12-Jul’12

Location : Kolkata

Tools Used : Webinspect, Burp Suite,Nmap and Fortify

Operating Systems : Windows XP

Client : ING

Synopsis : The project focused on Penetration Testing for different sites with help of IBM Rational Appscan, Manual Testing using freeware tools Burp Suite,Source

code review

Role : Project Lead

* Steered the project delivery on time & within budget with a team of 6 members
* Chalked out detailed project plans, strategies and project management plan for the implementation of an engagement within the standards of project management methodologies
* Prepared, maintained and submitted clear & concise activity/progress reports and time recording/management reports in accordance with published procedures
* Communicated to all concerned parties project milestones, status updates, as well as any existing or potential customer escalation issues
* Took complete ownership of all management reports on a given engagement.Provided security training to developer on demand basic
* Monitored employee job performance and assisted Functional Manager with the recruiting and hiring employees
* Executed Penetration Testing with the help of Webinspect,Burp Suite and Nmap and source code review using Fortify

Title : **Application Security Assessment**

Period : Jan’12-Apr’12

Location : Kolkata

Tools Used : Webinspect, Burp Suite andFortify 360

Operating Systems : Windows XP

Client : JPMC

Synopsis : The project involved Penetration Testing for different sites with help of IBM Rational Appscan, Manual Testing using freeware tools Burp Suite and Source

Code Review for seven new moduleswith false positive elimination.

Role : Project Lead

* Prepared estimation, maintained and submitted clear & concise activity/progress reports and time recording/management reports in accordance with published procedures with a team of 3 members
* Communicated to all concerned parties project milestones, status updates, as well as any existing or potential customer escalation issues
* Assist solutions team in proposals and RFP's review and writing SOW
* Addressed escalation and handled change control processes
* Ensured optimum customer satisfaction by maintaining process quality through the execution of the quality management program, provided security training to developer on demand basic
* Performed Penetration Testing using Webinspect and Burp Suite and Source Code Review using Fortify 360

Title : **Risk Assessment for Mass Mutual**

Period : May’11-Dec’11

Location : Kolkata

Tools Used : Archer

Operating Systems : Windows XP

Technologies Used : Excel and RSA Archer, Encase

Client : Mass Mutual

Synopsis : The project entailed preparation of report based on different types of application security, data loss prevention & vendor management and recommended the risk of the organisation.

Role : Project Lead

* Responsible for preparing different kind of report using Archer (application security, data loss prevention, vendor management, etc.) and recommended the risk of the organization
* Prepared, maintained and submitted clear & concise activity/progress reports and time recording/management reports in accordance with published procedures
* Communicated to all concerned parties project milestones, status updates as well as any existing or potential customer escalation issues
* Addressed escalation and handled change control processes
* Ensured optimum customer satisfaction by maintaining process quality through the execution of the quality management program
* Security Audit using ISO 27001,PCI
* Asset Assessment using QualysGuard

Title : **Venerability Assessment for Web Based Applications**

Period : Jan’11–Apr’11

Location : Kolkata

Tools Used : IBM Rational Appscanand Burp Suite, Fortify

Operating Systems : Windows XP

Client : Wyndham

Synopsis : Executed Penetration Testing for different sites with help of IBM Rational Appscan, Manual Testing for each site using Burp Suite.

Role : Security Consultant

* Prepared estimation; maintained and submitted clear & concise activity / progress reports and time recording / management reports in accordance with published procedures with a team of 4 members
* Communicated to all concerned parties project milestones, status updates, as well as any existing or potential customer escalation issues
* Ensured optimum customer satisfaction by maintaining process quality through the execution of the quality management program
* Ensured that the requirements are well understood in terms of In-Scope and Out of Scope

Functionalities.

* Performed Penetration Testing using Appscan and Burp Suite and source code review using Fortify
* Executed Manual Testing for each site
* Asset Assessment using QualysGuard
* Writing RFP and SOW

Title : **ESI –Sun IdM, BMC Remedy Integration**

Period : Jun’10-Dec’10

Location : Kolkata

Tools Used : Sun IdM

Operating Systems : Windows XP

Technologies Used : Sun Identity Manager 8.1.0.4, Sun Identity Manager Gateway 8.1.0.4, SQL Server W2K5, Java (JDK) 1.6.1.4, Web Sphere 6.1 and BMC Remedy 7.0

Client : ESI – St. Louis

Synopsis : The goal of the project was to create a ticket through BMC Remedy to access the Resource (Main Frame, ADP File Net, Filenet, etc.) as well as client specific error using Sun Identity Management.

Role : Project Lead

* Prepared:
	+ Design and use cases for each and every functionality for the ESI project using Microsoft Office Visio2007
	+ Unit test cases and performing the unit testing
	+ System Testing and System Test Plan
* Chalked out an effective project plan using Microsoft Office Project 2007

Title : **Venerability Assessment for Web Based Applications**

Period : Sep’09-Apr’10

Location : Kolkata

Tools Used : Webinspect and Burp Suite

Operating Systems : Windows XP

Client : ITC

Synopsis : The goal of the project was to handle Penetration Testing for different sites with help of IBM Rational Appscan, and freeware tools Burp Suite also Manual Testing for each site and hardening for 20 web servers

Role : Security Consultant

* Prepared estimation and executed Penetration Testing for 25 URL (OWASP top 10) with Appscan and Burp Suite
* Source Code Review using Fortify

Title : **Enterprise Single Sign-On**

Period : Nov’08-Aug’09

Location : Kolkata

Tools Used : Oracle ESSO

Operating Systems : Windows XP

Technologies Used : Oracle Enterprise Single-On

Client : ITC

Synopsis : ITC is a reputed Manufacturing company;they were using 100 different types of application, out 100 applications they were integrating 15 applications with Oracle Enterprise Single-Sign on. The application type was SAP, Web Based and Window based.

Role : Security Consultant

* Developed Proposals and Statement of Work for the projects
* Implemented Oracle Enterprise Single Sign-On
* Handled new enhancements and KT planning
* Involved in administering the deployment plan

Title : **Vulnerability Assessment for web application**

Period : Oct’07-Sep’08

Location : Bangalore

Operating Systems : Windows XP

Tools Used : Fortify, Appscan

Client : ING

Synopsis : ING is the world largest financial services company, which provides its customer online banking facility. There were different types of finance module developed by Java, JSP, EJB, Oracle 8i. All the modules checked Fortify tools before moving to production.

Role : Security Consultant

* Executed overall analysis of the Java code with respect to security guideline (SQL Injection, Buffer Overflow, CSS and CSRF)using Fortify and Application assessment using Appscan based on OWASP Top 10
* Generated reports, designed code review and sent it to different respective team day-to-day basis

Title : **Account Maintenance using Centrify**

Period : Aug’07–Sep’07

Location : USA

Operating Systems : UNIX

Tools Used : Centrify, AD

Technologies Used : Centrify, Active Directory, UNIX

Client : Pfizer

Synopsis : Pfizer decided to implement different UNIX server users and group migration to AD through Centrify tool. They were using different types of servers to identify duplicate users and group in each server. After deleting those duplicate users using shell scripts, join that account into Centrify zone via “customize PAM module” which was called stand alone zone migration.

Role : Consultant

* Anchored installation and configuration of Centrify
* Involved in analysing and designing Customize PAM module
* Participated in writing UNIX scripting
* Prepared Unit Test Cases

***Additional Projects:***

* Secure Code Review using Fortify Tools
* Vulnerability Assessment and Secure Code Review for Genpact
* User Provision through Sun IdM
* Unified Inventory Interface Using Java,j2ee,Oracle warehouse Builder
* Web Based ERP Systems using Java,J2ee
* Goods Maintenance & Invoicing Systems
* Placement Services Systems