

Biswajit Sinha

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Hyderabad, India

EDUCATION

MBA, Information Technology

July 2013 — June 2014

Ulyanovsk State University, Russia

BSc, Chemistry

July 2000 — June 2003

Assam University, Silchar

SUMMARY

Enterprise Solutions Architect with over 12 years of experience in designing, implementing and supporting systems for multi-tier mission critical applications using a variety of technologies

TECHNICAL SKILLS

Cloud Computing, IaaS, PaaS, Amazon Web Services (AWS VPC, EC2, ELB, Route53, KMS, S3, ECS, Lambda, CloudFormation, CodeCommit, CodeDeploy, WAF, CloudTrail), Cloud Security, Encryption, DevOps, Cloud Automation, Microservices, Containers, Docker, Serverless Computing, Application Servers, Tomcat, JBoss, WebLogic, Performance Tuning, Reverse Proxy, Load Balancing, Web Servers, Apache HTTPD, HAProxy, NGinx, iPlanet, TCP/IP, LDAP, DNS, SSL/TLS, HTTP(S), System Administration, Linux, RHEL, CentOS, Amazon Linux, Platform Monitoring, Nagios, SiteScope, Scripting, Shell, Python, FOSS, MySQL, PostgreSQL, SSO, OpenAM, OpenDJ, Infrastructure Management, Disaster Recovery, High Availability, ITIL, Change Management, Incident Management

WORK EXPERIENCE

Cambridge Technology

August 2014 — Present

Enterprises/SmartShift Technologies

Senior Architect, Cloud Operations

Job Responsibilities:-

- Work with Sales for qualifying opportunities, pre-sales support, pricing and implementation management for prospective clients
- Develop estimation and planning models for cloud migration and transformation projects
- Serve as a design leader for cloud based transformation solutions
- Analyze and understand requirements and articulate specifications accordingly as per the requirements
- Identify, design, and document technical requirements and specifications for the cloud infrastructure
- Respond to RFP's and lead the implementation for successful proof of concepts
- Participate in training, design, documentation and delivery efforts in concert with the service delivery managers

- Provide infrastructure solutions expertise around cloud computing and open source technologies
- Provide expertise and guidance on cloud automation and orchestration using a wide variety of technologies
- Provide security consultancy and best practices for securing AWS cloud infrastructure
- Provide infrastructure expertise and guidance on planning and designing disaster recovery and fail-over solutions
- Collaborate with Product Managers, Platform Leads, and Information Security teams to architect and design cloud security solutions
- Complete architecture assessments across projects, prove use of security solutions to support public cloud workloads and write reports on assessment based findings and proposals for security enhancement
- Design and develop security architectures for cloud and cloud based systems
- Deliver deep technical guidance on initiatives that relate to enhancing the cloud security posture
- Align enterprise-wide decisions relating to cloud security process management, technology configuration and solution design
- Establish AWS infrastructure/network security standards & secure configuration standards
- Lead, coach and mentor a team of junior cloud engineers to deliver and support cloud transformation projects
- Work with the project management team to on-board clients to managed services for 24/7 support
- Participate in recruiting, resource management, and project staffing activities

Projects Handled:-

Project Name: Information@Recall

Role: Solutions Architect, Cloud Operations

Client: Recall Corporation

Period: September 2014 - March 2015

Project Details: To design and implement the infrastructure services for hosting Recall's suite of legacy as well as new applications in the AWS cloud

Skills Used:-

AWS, VPC, EC2, ELB, RDS, RHEL v6, SafeNet, SSL, Tomcat, Apache HTTPD, HAProxy, Java

Project Name: ForgeRock SSO

Role: Solutions Architect, Cloud Operations

Client: Recall Corporation

Period: January 2015 - May 2015

Project Details: To design and implement a global server load balancing solution for Recall's identity and access management service running on ForgeRock's Open Identity Stack (OIS) and migrate from Entrust SSO to ForgeRock OIS in the AWS cloud

Skills Used:-

AWS, VPC, EC2, Route53, ELB, OpenAM, OpenIDM, OpenDJ, CTS, Tomcat, Java, SSL

Project Name: DBP Cloud

Role: Senior Architect, Enterprise Solutions

Client: Backbase

Period: October 2015 - October 2016

Project Details: To design and implement the infrastructure services for hosting Backbase's Digital Banking Platform (DBP) in the AWS cloud targeted for small and mid-sized financial institutions of United States

Skills Used:-

AWS, VPC, EC2, Route53, ELB, ECS, Auto-Scaling, RDS, MySQL, ElasticSearch, Docker, Consul, ActiveMQ,

Project Name: Fontis Cloud

Role: Senior Architect, Enterprise Solutions

Client: Iron Mountain

Period: September 2016 - December 2016

Project Details: To design and implement the infrastructure services for hosting Iron Mountain's digital information and records management solution in the AWS cloud

Skills Used:-

AWS, VPC, EC2, Route53, ELB, Auto-Scaling, RDS, MySQL, PHP, Apache Solr, ZooKeeper

Project Name: CUPP DR

Role: Senior Architect, Enterprise Solutions

Client: Iron Mountain

Period: December 2016 - Present

Project Details: To design and implement a disaster recovery (DR) solution for Iron Mountain's home-grown customer and user provisioning platform (CUPP) in their own data centers

Skills Used:-

RHEL v6, CA SiteMinder, CA IdentityMinder, CA Directory, JBoss, Java, SSL, F5 GTM/LTM

Tripod Technologies

August 2012 — July 2014

Role: Lead Engineer, Platform Reliability

Job Responsibilities:-

- To support, manage and design enterprise infrastructure services and ensure all the infrastructure deliveries are compliant with the firm's internal guidelines
- To lead the effort of building and managing the infrastructure for developing the next generation enterprise applications for the web platform
- To identify areas of service improvement and provide expert services and technology advice to other teams ensuring consistent technology decisions are made across the firm resulting in cost savings
- To assist in preparing, maintaining and documenting infrastructure processes, procedures and standards
- To manage a networked infrastructure of systems and services providing performance, reliability, scalability and competitive advantage
- To build server environments on Windows and Linux platforms for the development teams to develop and test applications
- To lead the Infrastructure team, including development, empowerment and motivation of the team so that it is customer focused, to deliver superior services
- To respond to the third level escalations and ensure prompt response and on-time resolution is provided
- To mentor and train the team members constantly on various infrastructure areas for an improved service delivery

Projects Handled:-

Project Name: eureQa Cloud

Role: Lead Engineer, Enterprise Infrastructure

Client: eureQa

Period: January 2013 - August 2013

Project Details: To setup the cloud infrastructure for deploying a 'multi-tier' web application aimed at software regression testing

Skills Used:-

Nomura India Services

March 2008 — August 2012

Role: Senior Engineer, Web Technology

Job Responsibilities:-

- To install, configure, deploy, manage and support Apache HTTPD web server, JBoss and Weblogic application servers across shared and dedicated server farms
- To integrate JBoss & Weblogic application server instances with Apache web server for load balancing, high availability, failover and sticky sessions
- To troubleshoot JBoss and Weblogic issues such as start-up problems, out-of-memory exceptions, class-loading errors, deployment errors
- To perform JBoss and Weblogic application server tuning, JVM tuning, server trimming, server hardening for production environments
- To handle escalations and provide expert level support for production issues to minimize downtime and outage for mission critical applications
- To provide maintenance support for the firm's enterprise single sign on portal platform running on Varnish, Glasfish, OpenSSO deployed across multiple regions
- To provide maintenance support for the firm's legacy as well as new directory services such as Active Directory, SunOne Directory Server, PSync deployed across multiple regions
- To provide maintenance support for the firm's legacy and new collaboration tools such as Sharepoint and Twiki
- To provide maintenance support for the firm's secure file transfer services such as FTP, SFTP, PGP deployed across multiple regions
- To use monitoring with tools such as SiteScope, Nagios for monitoring critical systems, production servers and tier-1 applications
- To provide on-call support for production outages, production deployments, critical systems and service monitoring
- To work with the various project management teams for disaster recovery and business continuity planning on a regular basis
- To work with IT service management team for problem, change, release and incident management following ITIL standards
- To work with third-party vendors such as Oracle, Red Hat for critical issues, bug fixes and security patches

Projects Handled:-

Project Name: Shinkyo Data Center JEE Migration

Role: Senior Engineer, Web Technology

Client: Nomura

Period: July 2010 - November 2011

Project Details: To migrate all the JEE applications from the PwC owned data centers to Nomura's data centers. Travelled on site and worked with the project management and various infrastructure teams involved to plan, design and implement a new framework to automate the migration process for a smoother and seamless transition.

Skills Used:-

Apache HTTPD 2.x, JBoss AS 4.x/5.x, Weblogic AS 9.x/10.x, Load Balancing, Virtual Hosting, Clustering, F5, Python, Bash, Linux

Project Name: Shinkyo Data Center LDAP Segregation

Role: Senior Engineer, Web Technology

Client: Nomura/PwC

Period: October 2010 - November 2011

Project Details: To segregate the firms LDAP data from PwC and 'Lehman Brothers In Administration' post acquisition from the PwC owned data centers. Travelled on site and worked with the project management and various infrastructure teams involved to design and implement a new LDAP infrastructure.

Skills Used:-

LDAP, Sun Directory Server 5.x, Solaris, Perl, Replication

JPMorgan India Services

May 2007 — March 2008

Role: Engineer, Global Technology Infrastructure

Job Responsibilities:-

- To provide first line of support for global infrastructure services such as Mainframe, AS400, Unix, Linux, Citrix, BES
- To provision access for global infrastructure services such as Mainframe, AS400, Unix, Linux, Citrix servers
- To provide first line of support for the firm's intranet and extranet applications used globally
- To troubleshoot issues related to remote access solutions such as VPN, RSA SecurID Tokens
- To troubleshoot issues related to IBM Lotus Notes and Domino databases
- To troubleshoot issues related to trading systems such as IP Telephony, Dealer Boards
- To coordinate with end users and infrastructure teams at various levels for resolving issues
- To assist in documenting infrastructure processes and procedures for an improved service delivery
- To work with the incident management team for addressing and resolving critical incidents

Nipuna India Services

September 2005 — December 2006

Role: Consultant, Technical Operations

Job Responsibilities:-

- To provide end user support for high speed internet services, broadband modems, wireless routers etc.
- To troubleshoot issues related to internet connectivity and speed on various operating systems e.g. Windows, Macintosh etc.
- To handle escalations, coordinate with end users and support teams at various levels for resolving high priority issues following the standard guidelines
- To create and maintain process related documentation to assist team members to quickly address and resolve critical as well as known issues in a timely manner
- To train and mentor junior team members on all aspects of the service delivery process for an improved end user experience

Wipro India Services

August 2004 — August 2005

Role: Associate, Client Services

Job Responsibilities:-

- To provide end user support for high speed internet services, broadband modems, wireless routers etc.
- To troubleshoot issues related to internet connectivity and speed on various operating systems e.g. Windows, Macintosh etc.
- To assist in documenting processes and procedures to assist team members to quickly address and resolve critical as well as known issues in a timely manner

- To coordinate with end users and support teams at various levels for resolving high priority issues following the standard policies and procedures
- To work with subject matter experts to learn about new features, service upgrades and key areas of service improvement

CERTIFICATIONS

- *AWS Certified Developer - Associate (Nov 2016 - Nov 2018)*
- *AWS Certified Solutions Architect - Associate (Nov 2016 - Nov 2018)*
- *AWS Certified SysOps Administrator - Associate (Nov 2016 - Nov 2018)*

TRAININGS

- *Unix Administration (Nov 2006)*
- *MS Office 2003 (April 2008)*
- *AWS Cloud Security & Compliance (Aug 2014)*
- *AWS Fundamentals (Nov 2014)*
- *SmartAgile Scrum (Feb 2015)*
- *Project Management Workshop (Mar 2015)*

AWARDS

- *Certificate of Appreciation - Wipro (June 2005)*
- *Certificate of Excellence - Nomura India Services (Nov 2009)*
- *Certificate of Most Valuable Player - Nomura India Services (Aug 2010)*
- *Certificate of Appreciation - Tripod Solutions (Mar 2013)*
- *Certificate of Appreciation - Cambridge Technology/Recall (Nov 2015)*
- *Warrior Award - Cambridge Technology/Backbase (Dec 2015)*