BIPLAB MAZUMDER

Suite# 608, 2757 Battleford Rd, Mississauga, ON L5N 3A8

(437) 216-8870   biplabmazumder.ca@gmail.com

SKILLS

- AWS Services : Ec2, Elastic Beanstalk, EFS, VPC, RDS, S3, Glacier, IAM, Kinesis, Cloud Front, Cloud Watch, Cloud Trail, Cloud Formation, DynamoDB, Lambda, Route53, SNS, SQS, API Gateway, Code Pipeline, Code Build, Elastic Search, Code Deploy etc.
- RHEL/CentOS Linux administration
- Microservices, Containers & APIs
- Container orchestration (Docker, kubernetes)
- NoSQL (MongoDB, Casandra)
- Cloud Security principles and frameworks (oAuth2, SAML)
- Webservices (REST\SOAP)
- BigData (Hadoop, Sqoop, Hive, Pig, MapReduce)
- Configuration Management : Ansible, Puppet
- languages : PHP, JavaScript, Angular JS, Python, Bash, Powershell, XML
- Source Code Management : GIT, Bitbucket, Code Commit
- Atlassian suite of Software Development and Collaborative tools such as Jira and Confluence.
- Operating systems : Windows, Linux, Unix, Ubuntu, RHEL, Cent OS and Solaris
- Databases (on-premise and cloud based): SQL Server, Oracle, MySQL
- Web-focused technologies like HTML, Javascript and REST APIs.
- Web/Application Servers : Apache Tomcat, WebLogic, Oracle Application Server, JBoss
- APIs and Container Ecosystems (Mesos, Kubernetes, Nomad, Docker, rkt, Swarm, etc.)
- Splunk, Elastic Search, Kafka
- Data integration and platforms such as Apache Kafka, Storm, ActiveMQ and RabbitMQ

- DevOps Tools : AWS Code Pipeline, Code Build, Code Deploy, Elastic Beanstalk, Jenkins, Bamboo, Docker, Jira, Bugzilla, Splunk, Nagios
- Logging & event management tools Splunk (Splunk Dashboarding & deployment)
- Test automation experience
- OWASP and application security controls
- monitoring and reporting (Nagios, Graphite, Cacti, Splunk, Graylog etc)
- logging/monitoring tools CloudWatch, LogStash, Kibana.
- Governance and securing IT infrastructure with SOX, PCI, ITIL
- Agile approaches: XP, Kanban,Crystal, FDD
- Scrum patterns and techniques (Burndown techniques, velocity, user stories, Retrospective formats, handling bugs)
- Agile techniques (User Stories, sprint iteration planning, backlog grooming, daily stand ups, sprint retrospectives, release planning, ATDD, TDD, Continuous Integration, Continuous Testing, Pairing, Automated Testing, and Agile Games)
- Software Development Life Cycle methodologies (Agile principles and practices, Incremental and Iterative, Scrum-ban, Lean, Waterfall).
- Familiarity with Scaled Agile Framework (SAFe)
- Workflow visualization and management techniques (Kanban or Scrum Boards)
- Virtualization technologies (vmware, KVM, xen, Hyper-V)
- Microservice oriented application frameworks (Spring, Lagom, Akka, DropWizard, Vert.x, Spark)
- TDD
- Load balancing, geo routing, and proxying

PROFESSIONAL SUMMARY

- Hands - on AWS Technical Architect with 8 Years in developing and Architecting enterprise level large scale multi-tier solutions that require complex Architectural decisions.
- Result oriented approach with Exceptional leadership skills.
- Extensive experienced defining IT Roadmap, cloud strategy, Enterprise/solution architecture, Architecture assessment.
- Hands-on experience on implementing Cloud Solutions using various AWS Services including EC2, VPC, S3, Glacier, EFS, AWS Kinesis, Lambda, Directory Services, Cloud Formation, Ops works, Code Pipeline, Code Build, Code Deploy, Elastic Beanstalk, RDS, Data Pipeline, DynamoDB, Redshift etc.
- Hands-on experience on Architecting and securing the Infrastructure on AWS using IAM, KMS, Cognito, API Gateway, Cloud Trail, Cloud Watch, Config, Trusted Advisor, Security Groups, NACL etc.
- Expertise in DevOps, Release Engineering, Configuration Management, Cloud Infrastructure, Automation. It includes Amazon Web Services (AWS), Ant, Maven, Jenkins, Chef, SVN, GitHub, Serena Products, ClearCase, Build Forge, Serena PVCS, CVS, Tomcat, JBoss, LINUX etc.
- Experienced in designing cloud models for Infrastructure-as-a-service(IaaS), Platform-as-a-service(PaaS), and Software-as-a-Service(SaaS).
- Good knowledge on Application Migrations and Data migrations from On-premise to AWS Cloud.
- Worked on infrastructure with Docker containerization
- Strong Knowledge creating ANT/ MAVEN with Puppet build script for Deployment.
- Expertise in Docker containerized environment, hosting web servers on containers, building docker images using Docker file
- Experienced in Installing and configuring Chef Enterprise and Chef Workstation hosted as well as On-Premise; Bootstrapped Nodes; Wrote Recipes, Cookbooks and uploaded them to Chef-server.
- Good knowledge of RDBMS and projects using Oracle, SQL Server, SQL, PL/SQL
- Worked on creating APIs, using ASP. NET Web API and developed ASP.NET Web Forms using HTML, AngularJS, JavaScript, and CSS to control the style and layout of multiple pages.
- Experienced in Automated resource creation process using CFT, JSON, Bash and Python scripts through pre-boot and bootstrapping process.
- Good understanding of monitoring tools like Splunk, Nagios .
- Used scripting languages like Python, Ruby, Perl, Bash and configuration management tools Chef, Puppet, and CF Engine and Web Service like AWS .
- Developed Chef Cookbooks and Recipes to manage systems configuration.
- Deployed Microservices, including provisioning AWS environments using Ansible Playbooks.
- Designing and deploying scalable, highly available, Secured and fault tolerant systems on AWS.
- Lift and shift of an existing on-premises application to AWS.
- Selecting the appropriate AWS service based on data, compute, database, or security requirements.
- Identifying appropriate use of AWS Architectural best practices.
- Estimating AWS costs and identifying cost control mechanisms.
- DevOps experience with Puppet, Chef, Ansible, AWS (Ops Work).
- Continuous Integration Tools Jenkins, Bamboo.
- Source Code Management tools such as SVN, GIT, RTC, TFS, CVS and VSS.

- Administration various environments in software development life cycle (SDLC) Windows, Ubuntu, Red Hat Linux, SUSE Linux and CentOS . Experience supporting Chef Environment with multi servers and involved in developing manifests.	- Leading projects and initiatives utilizing DevOps, Continuous Integration / Continuous Delivery (CI/CD), and test automation - Experience with widely successful Agile techniques - Knowledge of numerous well documented scrum patterns and techniques

WORK   EXPERIENCE

Jul 2018 to till now Presidents Choice Cir, Brampton, ON L6Y 5S5 ## Manager IT Operations | LOBLAW	Aug 2014 to Jun 2018 Noida, India ## Senior Solution Architect | DXC
- Working with API and MicroService Security - Working with cloud security management and governance tools - Application development security using DevOps - Working in Serverless Cloud - Delivering Cloud and Internet facing applications with a focus on cloud security - Architecting multi-vendor SaaS, IaaS or PaaS environments particular public Cloud (AWS/Azure/Google Cloud) - Building Cloud strategies and target and reference architectures and experience with application development security using DevOps - Managed annual budgets of over $3 million and staff of 24 team members for 1000+ Loblaw retail stores across Canada (Ontario, Quebec, British Columbia, Alberta, Manitoba, Saskatchewan, Nova Scotia, New Brunswick, Newfoundland, Prince Edward, Northwest, Yukon). - Decreased onboarding time for a new employee by 33% from 3 weeks to 2 weeks, by creating a training plan for all supported positions. - Reduced employee turnover ratio to less than 5% by developing win-win career plans in alignment with the department's vision.	- - Designing and implementation of public and private facing websites on AWS Cloud. - Migrating from On-Premise Infrastructure to AWS Cloud. - Focusing on high-availability, fault tolerance, and auto scaling using AWS Cloud Formation . - Configured and managed various AWS Services including EC2, RDS, VPC, S3, Glacier, Cloud Watch, Cloud Front, and Route 53 etc. - Configured various performance metrics using AWS Cloud watch & Cloud Trial - Worked on configuring Cross-Account deployments using AWS Code Pipeline, Code Build and Code Deploy by creating Cross-Account Policies & Roles on IAM. - Written various Lambda services for automating the functionality on the Cloud. - Used AWS Route 53 for configuring the High-Availability and Disaster recovery to make the environment up and running in case of any unexpected disaster. - Maintained the user accounts (IAM), RDS, Route 53, VPC, RDB, Dynamo DB, SES, SQS and SNS services in AWS cloud. - Involved in setting up builds using Chef as a configuration management tool - Deployed and configured Chef Server and Chef Solo including bootstrapping of chef client nodes for provisioning; Created roles,

- Improved client requests turn-around time by 25%, decreased cost to support ad-hoc jobs by 30% by automating similar and repetitive requests and achieving over 99% job automation
- Decreased the number of critical problems by 90% and avoided any financial penalties by implementing a 24/7 support model for sensitive applications
- Manage & lead onshore and offshore support teams with respect to 30+ complex retail Applications
- Manage onsite and offshore application support team operating plan and performance for better delivery of the Application Support services
- Collaborates with the Project Delivery team to successfully accept and support new applications into Operations
- Schedule and track resource requirements, application release packages,
- Manage Operation Level Agreements (OLAs), initiating performance monitoring of the production environment, reviewing results with supervisors and approving corrections;
- Negotiating with business and vendor relationship managers and business partners to establish Service Level Agreements (SLAs) for the timely and quality delivery of services
- Responsible to interact with different vendors to coordinate different task completion
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cookbooks, recipes, and data bags for server configuration, deployment, and app stack build outs.
- Setup up and maintenance of automated environment using Chef Recipes & books within AWS environment. Good understanding on Knife, Chef Bootstrap process etc.
- Deploying and managing many servers utilizing both traditional and cloud oriented providers (AWS) with the Chef Platform configuration system.
- Create AMIs for mission critical production servers for backup.
- Worked in all areas of Jenkins setting up CI for new branches, build automation, plugin management and securing Jenkins and setting up master/slave configurations.
- Build Java code and .NET code on to different Jenkins servers as per the schedule.
- Deployed application updates using Jenkins. Installed, configured, and managed Jenkins.
- Experience in building applications of various architecture styles like Micro-services architecture consisting of Restful web services and Docker container based deployments.
- Deployed Docker Engines in Virtualized Platforms for containerization of multiple apps.
- Deployed and configured Git repositories with branching, forks, tagging, and notifications.
- Installed and configured Nagios as monitoring tool for disk usage, CPU utilization, list of open files etc. and sending alerts to our teams based on the same.

Apr 2014 to Jul 2014
Gurgaon, India

Technical Delivery Manager, BigData Engineering - Analytics| Mobileum India Pvt. Ltd.

- Designed, deployed, managed and operating scalable, highly available, and fault tolerance system on AWS.

Sep 2006 to 31st Mar 2014
Noida, India

Associate Product Manager | Computer Science Corporation

- Worked on AWS EC2, IAM, S3, EBS, Elastic Load balancer (ELB), auto scaling group services.
- Implemented continuous integration using Jenkins.

- Responsible for configuring and securing the infrastructure on AWS Cloud
- Done the Capacity planning and Architecture Design of AWS Infrastructure
- Configuring the Continuous integration and Deployment(CI/CD) of the code on to AWS cloud
- Responsible for Creating AWS IAM Users, Policies, Groups etc.
- Provisioning of AWS resources like EC2, VPC, EBS, AMI, S3 buckets, creation of subnets and all other operational tasks using Ansible.
- Performed configuration, deployment, and support of cloud services including Amazon Web Services. Performing the hardening of AWS root account after requisition.
- Creating the configuration for establishing a VPN tunnel between on premise network and AWS VPC.
- I also used on demand, spot, reserved instances based on my scenarios and tasks.
- Installation and configuration of SCM tool, Ansible on EC2 instance.
- Installation and migration of on premise Jenkins, Arti factory and SVN to AWS cloud infrastructure.
- Writing playbooks for automation of tasks using Ansible.
- Deployed Microservices, including provisioning AWS environments using Ansible Playbooks.
- Provisioned load balancer, auto-scaling group and launch configuration for micro services using Ansible.
- Installation of search technologies such as Apache Solr on AWS EC2.
- Creation of dynamic inventory on Ansible for management of resources on AWS.
- Installation of Apache Tomcat on EC2 instances and Installation of build tools such as ANT.

- Responsible for Continuous Integration (CI) and Continuous Delivery (CD) process.
- Implementation using Jenkins along with Shell scripts to automate routine jobs.
- Interacted with client teams to understand client deployment requests.
- Coordinate with the Development, Database Administration, QA, and IT Operations teams to ensure there are no resource conflicts.
- Wrote Puppet manifests for deploying, configuring, Installing and managing collected for metric collection and monitoring.
- Developed automation scripting in Python(core) using Puppet to deploy and manage Java applications across Windows servers, and uses the Nagios for the windows performance monitoring.
- Designing and implementing for fully automated server build management, monitoring and deployment by Using DevOps Technologies like Puppet .
- Configured Docker container for branching purposes.
- Worked closely with Project Managers to understand a code/configuration release scope and how to confirm a release was successful.
- Wrote Puppet models for installing and managing java versions using the Eclipse
- Build and Deployed Java/J2EE and .Net to a web application server in an Agile continuous integration environment and automated the whole process.
- Implementation of TFS Release management functionality for entire corporate codebases.
- Deploying and managing many servers utilizing both traditional and cloud oriented providers (AWS) with the Puppet configuration system.

| Mar 2006 – Jul 2006
Bangalore, India
Software Engineer \| Hewlett-Packard Development Company | Feb 2004 – Mar 2006
Pune, India
System Analyst \| Nihilent Technologies Pvt. Ltd |

- Configured, installed, and updated Bugzilla and SVN installations.
- Support and promoted DEVOPS practices across the development organization to continually improve Change, Test, Build, Release, and Metrics Management.
- Administer and configured Change and Release Management tool suite including Perforce source code, Jenkins build, Maven artifact, and perform Release to customer systems daily Automate Build and Release tasks using ANT, Shell, and Perl for efficiency and repeatability Installed, troubleshoot, and upgraded vendors' DEVOPS software.
- Implemented GIT branching and merging operations for Java source code and .Net Source code.
- Building and monitoring in the project has been done continuously with a CI Tools like Jenkins.
- Worked with the Automation Team to Automate the Windows and Linux Deployments.
- Configured and Maintained the Jenkins build and automation jobs.
- Built, configured and supported Application team environments.
- Deployed the Java applications into web application servers like Apache Tomcat.
- Deployed Puppet for configuration management to existing infrastructure.
- Written Perl scripts for the automation of daily support tasks
- Designed effective planning for SCM and implemented the setup of the Environment
- Maintained Subversion repositories on Windows
- Maintained and version controlled Backend Oracle database using SVN/Ant scripts
- User support for Subversion/SVN issues

- Installed the Red hat 4.0/5.0 operating system and set up the Oracle environment.
- Installed, configured and administered Solaris 9/10 using Jumpstart.
- Responsible for Installation, maintenance and regular upgrades of Red hat Linux and Solaris Servers using kick start based network installation.
- Configured, and administered multiple production Red hat 4.0, 5.0 servers across multiple platforms.
- File system management using VERITAS volume manager 5.0.
- Performed RAID mirroring of Root disk on Solaris boxes.
- Involved in Configuring Automation & Centralized Management with Puppet.
- Configured and managed Apache Web Server on Linux for web based applications using REST/SOAP, Apache and WebLogic.
- Configured Postfix for Red hat server.
- Controlled versions in repositories using version control tools like SVN etc.
- Performing clean builds according to the schedule published for a given release.
- Releasing code to testing regions or staging areas according to the schedule published.
- Updated and automated Release reports for Change Management.
- Supporting Local System Administrators to troubleshoot Configuration Management Network issues.
- Arranging access for all personnel to all computer systems and programs
- Documented release, builds and source control processes and plans.

EDUCATION

2000 - 2003	1998 - 2000
Maharastra, India,	Maharastra, India,
Government College Of Engineering,	Government College Of Engineering,
Masters Of Computer Application	**Bachelors Of Science, Electronics**

CERTIFICATES / LICENSES

CCSK AWS Certified Solutions Architect – Professional AWS Certified Solutions Architect – Associate Certified Administrator for Apache Hadoop (CCAH - CDH4) Certified Developer for Apache Hadoop (CCAH - CDH4) Certified Payment Card Industry Security Implementer Cleared Certified Information System Auditor(CISA)	ISO / IEC 27001 Lead Auditor Certified Sarbanes Oxley Expert (CSOE) Certified Ethical Hacker Oracle Certified Associate (OCA) pSeries Administration and Support for AIX 5L V5