DIBYENDU KANKALIA

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PROFESSIONAL SUMMARY

Certified Cloud Solution Architect developing strategy, design and deployment of cloud-based solutions enabling organizations to address business challenges.

Passionate technical leader working with customers to provide successful partnership.

AREAS OF EXPERTISE

AWS	Certified AWS Solutions Architect – Associate, Certified AWS Developer – Associate and Certified AWS SysOps. Administrator – Associate IAM, S3, EC2, EBS, EFS, Lambda, CloudFront, CloudWatch, RDS, DynamoDB, Route53, ELB, AMI, VPC, NAT Instance, NAT Gateway, SQS, SNS, API Gateway, Cloud Formation, ECS, Fargate, CodeCommit, CodeBuild, CodeDeploy, Code Pipeline, Kinesis, AWS IOT
Web Frameworks, Languages and Tools	ASP.NET MVC, ASP.Net Core, Entity Framework, C#, VB, ASP, HTML, JavaScript, CSS, JQuery, Bootstrap, Require JS, Mediatr, Serilog ReactJS, Redux, React Router, Angular, Knockout, Nodejs, Express, Apache Kafka, NserviceBus, Ansible, Powershell, Less, Sass, Gulp, Bower, NPM, Nuget Docker Containers, Docker compose, Microservices, IIS, Apache, Kestrel
Windows	Windows Presentation Foundation (WPF), Windows Workflow Foundation (WF)
Services	WCF, Web API, SOAP, REST Based Http Services, NServiceBus, Windows Services
Databases	SQL Server 2016, Oracle 9i/10G, MongoDB, Redis, RDS, Aurora, DynamoDB
Data Visualization	Dynatrace, Splunk, Elastic Search. Serilog
Software CI/CD Automation Tools	GitHub/Bitbucket/Stash, Jira, TeamCity, Octopus Deploy, Ansible, Powershell tools, VSS, Spectrum SCM, VSTS, CodeCommit, CodeBuild, CodeDeploy, CodePipeline
Workflow	Savigent Certified Workflow Developer & Savigent Certified Engine Developer - Savigent Workflow, Model, Engine Design and Deployment Plugins, Server Installation and Setup (System Design and Management), Custom Agents
MES/ERP	3M MES, SAP ECC, SAP EWM, IMES
Identity Servers & Authentication	ADFS2, Thinktecture Identity Server, Aws Cognito, Okta, OAuth, Open ID Connect, WS-Federation based passive/active Authentication and Authorization, Security Token Service, JWT, SAML, X509 Certificates
Systems & Tools	Wonderware (Application Server, InTouch, Historian, DASS, OPC Server), IBM Maximo Asset Management, Savigent, SAP PP, SAP MII Services, NServiceBus, ADFS, F5 Load Balancer, Visual Studio 2019, Visual Studio Code, Balsamiq
Test Tools	NUnit, Fixie, SOAP UI, Postman

- Lead teams of software engineers providing mentoring and technical leadership.
- Worked with team members to plan, architect, implement and test new features.
- Worked with Product manager and business to provide technical and strategic vision for the entire team.
- Strong team player having excellent communication and leadership abilities.
- Excellent problem solving, analytical, interpersonal skills and possess good work ethics.
- Excellent learning capability and technology enthusiast.
- Expert in single sign on authentication using ADFS (WS-Fed, WS-Trust), OAuth 2.0 and OpenID Connect
- Experience in procurement of Servers, setup, automated deployment, development & support.
- Expertise in dev ops with continuous build, integration & deployment using Bitbucket, Teamcity, Octopus
- Good knowledge using tools like Dynatrace, Splunk and Elastic Search
- Excellent knowledge in OOPS, SOLID principles, Database design and design patterns
- Excellent knowledge in integration with SAP ECC and EWM
- Development Repository - https://github.com/dibyenduk
- Website and articles - https://dibyenduk.github.io/

3M MES (MANUFACTURING EXECUTION SYSTEM)
CLIENT - 3M COMPANY, ST. PAUL, MN (JUN 2014 – CURRENT)
SOLUTION ARCHITECT
- Solution Architect for enterprise web-based manufacturing execution system solution / product integrating with SAP ECC and EWM enabling global business transformation at 3M.
- Worked with customer in an agile DevOps model.
- Lead team of software engineers including staffing, onboarding, mentoring, and providing technical leadership.
- Focus on architecting UI / REST API solution design, development, security (ADFS / Azure AD), continuous integration & continuous deployment, automated unit test, integration, code review & infrastructure preparation.
- Delivering operational intelligence to ensure visibility to issues impacting availability, response time, application performance ensuring product scalability of 3M MES as a product.
- Experience in handling project from inception to production deployment.
- Setup code repo, branching strategy, release plan, infrastructure plan, support model, automated API help, wiki documentation, and developer training for the application.
- Utilized Ansible to automate infrastructure installation and preparation. Setup more than 100+ servers with required software and applications.
- Setup automated build and deploy pipeline using Bitbucket, Teamcity and Octopus Deploy.
- Utilized Savigent platform to enable user guided workflow and connect 3M MES to the shop floor PLCs and devices for data collection and execution.
- Architected multiple Savigent based workflow applications reading data from shop floor and sending it to MES / SAP.
- Providing strategy and architecture runway to migrate application to .NET Core and containers.
- Worked on estimation and proposals for multiple projects, clients, and accounts.

STRATEGIC ASSET MANAGEMENT SOLUTION (SAMS)
CLIENT - 3M COMPANY, ST. PAUL, MN (JUL 2013 – JUN 2014)
PROJECT MANAGER AND TECHNICAL LEAD
- Maximo Technical Specialist and Onsite coordinator for SAMS / CMMS enterprise asset management COTS product by IBM
- Focus on leading onsite project delivery with customization and delivery of Maximo features
- Activities included working with Plant Engineering Services to understand requirements, analyze business rules in Maximo, design, layout plan for implementation, code review, test and deploy in production

ESCAPE SUPERVISION AND CONTROL SYSTEM
CLIENT - IKUSI, SPAIN (FEB 2010 – JUN 2013)
TECHNICAL LEAD
- Technical Lead for development of security and traffic management product for IKUSI.
- Product allowed user to monitor and control all systems related to traffic and security from main control center. Integration of product with subsystems and devices provided by third party vendors.
- Focused on development of next gen rich Graphical user interface for configuration and visualization of maps and devices allowing user to zoom, pan and select elements for navigation.
- Integration with Invensys Wonderware product and devices / subsystems like Interphone, Entrance, PA Zone, Megaphone, PMV, CCTV System.

RESOURCE SCHEDULER
CLIENT - CANRIG DRILLING TECHNOLOGY LTD, HOUSTON, TX (MAR 2007 – JAN 2010)
LEAD DEVELOPER
- Lead Developer for migrating existing VB 6.0 application to VB.NET
- Worked on enhancements for the RS.NET 4.0 application.
- Worked on creation extensions and plugins to integrate RS.NET with external third party applications like Aries.

- Provided support for RS 3.6 and RS.NET 4.0 applications.

HUMMINGBIRD
CLIENT - LUTRON ELECTRONICS COMPANY INC., PHILADELPHIA, PA (SEP 2006 – MAR 2007)
DEVELOPER / IT ANALYST
- Developer for building management product for Lutron providing centralized control for lights and shades in the building from a single control center. Application included controlling light ballast and shades using opcodes based on time of the day and alarms created in the application.

ELECTRONIC LOG
CLIENT - VIACOM INC., NEW YORK, NY (OCT 2005 – FEB 2006)
LEAD DEVELOPER / IT ANALYST
- Lead Developer for creation of electronic log application used for maintaining information related to airing of programs, program schedules, programs that aired and which did not, if a program did not air, the reason it was not aired, and discrepancies or problems that occurred while airing programs.
- Involved in requirement analysis, design, functionality and screen design, coding, writing unit test cases, testing, reviewing code and fixing defects.

OAP.NET
CLIENT - VIACOM INC., NEW YORK, NY (JUL 2005 – SEP 2005)
DEVELOPER
- Programmer for On Air Promotion tracking web application for VIACOM networks.

IBM MAINFRAME TO.NET MIGRATION
CLIENT - SIMON AND SCHUSTER INC., NEW JERSEY (AUG 2004 - JUN 2005)
PROGRAMMER ANALYST
- Programmer for migrating the existing IBM Mainframe system to ASP.NET Web application.
- Cobol, JCL Development

EXPERIENCE

| Feb 2010 – Present | Cognizant Technology Solutions U.S Corp | Sr. Manager |
| Oct 2004 - Feb 2010 | Tata Consultancy Services | I.T Analyst |

EDUCATION

| Executive Certificate in Management Program | McIntire School of Commerce, University of Virginia, USA | May 2017 | Distinction |
| Bachelor of Engineering (Computer) | University of Pune, India | May 2004 | First Class |

CERTIFICATES

Certificate Name	Certificate Provider	Validation Number
AWS Certified Solutions Architect - Associate (SAA)	Amazon Web Services	JV3YGGG2FMQ115S6
AWS Certified Developer - Associate (DVA)	Amazon Web Services	F6NTDBJ2KB11Q2GB
AWS Certified SysOps. Administrator - Associate	Amazon Web Services	35687NTLKJVQQ93X
Savigent Certified Model & Workflow Developer	Savigent Software	NA
Savigent Certified Engine Developer	Savigent Software	NA