PAYEL MUKHERJEE

APPLICATION ARCHITECT

SKILLS

FULL STACK
NodeJS, NPM, Express, MEAN stack, NoSQL database

RESPONSIVE WEB DEVELOPMENT
HTML5, CSS3,Bootstrap, jQuery,
OOJS, Angular, React, Knockout, SAP UI 5

AWS CERTIFIED SOLUTION ARCHITECT
EC2, S3, VPC, Lambda, RDS, ELB, HA Architecture

Microservices Architecture
AWS Lambda, API Gateway, server less, Azure Functions, IBM cloud functions, Web api, .NET core, Serilog

PROFILE

Organized, motivated, hard & smart working professional with 11+ years of extensive experience in developing and building architecture with varied technical skills on multi cloud i.e., AWS,IBM cloud, Azure DevOps enabling utilization of solutions consulting and knowledge in web-based system architecture to successfully address business problems..

EXPERIENCE

TECHNICAL ARCHITECT
IBM | APR, 2014 - Present

Role: Technical Architect, Tech Lead, Lead Developer, Onsite coordinator.
Account: **Royal Canin**

Azure DevOps based Automation Project:
led Automation projects with Azure DevOps, node JS, devops-node-api. Earlier support tickets used to server manually. Tickets used to get raised in ticketing tool. Developers manually used create SQL script fed with values from raised ticket and then provide them for execution in on premise servers by release managers. Created NodeJS based solution which automatically reads ticket from MySQL database, creates the script and execute that to SQL server database.

PROFESSIONAL SKILLS

MICROSOFT TECHNOLOGIES
C#, .NET, ASP.net, VB.NET, WCF, Web service, SQL server , .NET MVC5, .NET Core 3.1, Web api, swagger, Serilog, TFS

AZURE IAAS
Storage Account, Virtual Network, VM, Azure AD, HA Architecture

CI CD PROCESS- DevOps Tools
Azure DevOps, Build and Release Pipeline, devops-node-api, Jenkins , GItHUB, Git, TFS Docker, knowledge on devops tool for IAAS Chef, Ansible, puppet, cloud formation

MOBILE APP DEVELOPMENT
 iOS, Cocoa Touch framework, Swift, Cordova, Android hybrid app
IBM CLOUD
Open Shift, Kubernetes, Watson, Micro Services

IOT
Raspberry Pi, Custom voice(Google assistant +Alexa) BOT made, Android TV made from old unsmart TV monitor

Account: **Royal Canin**
Azure IAAS modernization:
There was requirement to migrate all on-premise infrastructure to Azure IAAS. Royal Canin landscape has BizTalk projects, .NET based web services, SSIS projects which needed to be migrated to windows 2016 based systems simultaneously and SQL server 2016 from SQL server 2008 R2.
So, after getting the requirement I made the architecture how many servers required, what should be the CPU memory config we need, We created 3 regions for EMEA, APAC, AMERICAS and each has 2 VM deployed in 2 Availability zones. Currently the servers are all deployed, and 20 countries applications are live now.

Account: **Philip Morris International**
AWS Modernization:
PMIs customer facing platform was facing slower time to market, scalability, serviceability, reliability and performance issues because of Monolith Architecture. During peak time which required onboarding of nearly Billion users, due to RASP (Reliability, Availability, Scalability, Performance) issue PMI incurred financial loss. The monolith platform led to roll-out to only few markets over two years which was in not acceptable in this age of Digital.
Considering the scale of (billions not millions), breaking Monolithic architecture into microservices based architecture with the AWS hosting for global reach was proposed which had the ability to auto-scale, self-contain and self-heal. The backend being server less framework with cloud front, IAC deployment , lambda microservices exposed with API Gateway connecting to highly scalable DynamoDB with Auth0 JWT token service, SQS, SNS, SES resolved the performance issue.

Account: **Philip Morris International**
HTML5 Migration Project
PMI had Silverlight based applications which used to only open in Internet Explorer. the user Systems used to be windows 7 and it was getting migrated to windows 10. The applications do not open in any other browsers then Internet explorer. Client wanted to reuse the WCF middleware with minimal changes possible. I proposed to migrate all the Silverlight based apps to html5 based AngularJS based SPA applications to make them cross browser and cross devices compatible. The AngularJS also enabled the quick high volume of data rendering as the applications used to handle high volume of data from backend SAP ERP .

Also worked and Architected .NET, React and Angular based apps connecting to MSSQL, MYSQL, SAP ERP, SNOW API, Google firebase database and deployed to AWS S3.

SR. INTERACTIVE LEAD
Sapient Nitro. | APR 2013 - APR 2014

Worked as senior interactive developer and worked end to end on the hybrid and responsive mobile web applications. Worked on jQuery, html5, css3, , knockout JS, NodeJS etc. mostly i Full stack development creating responsive web applications.

SOFTWARE ENGINEER II
FactSet Systems India PVT LTD | OCT 2011 - MAR 2013

Worked extensively as backend developer in SQL server 2008 and 2010 with DTS , SSIS packages development ,
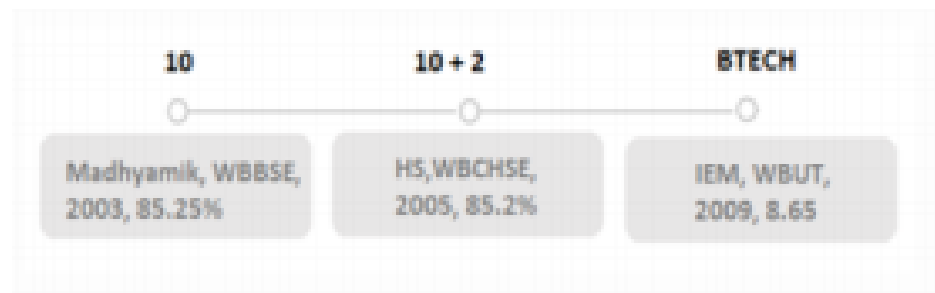built .NET applications in C#, asp.net

SOFTWARE ENGINEER
Infosys | JUL 2009 - SEP 2011

Account: **Apple**
Worked as iOS developer and built iPhone and iPad applications with Objective C connecting to REST services for Apple which provides sales data for different products in different regions globally
Got trained and worked in .NET based web applications with C#, ASP.NET.

EDUCATION

10	10 + 2	BTECH
Madhyamik, WBBSE, 2003, 85.25%	HS,WBCHSE, 2005, 85.2%	IEM, WBUT, 2009, 8.65

BLOGGER

[HOW TO MAKE YOUR OLD TV THE PERFECT ENTERTAINER creating android tv with raspberry Pi , 2020](#)

AWARDS

TERA TACHE - STRONG TECHNOLOGIST
IBM | 2020

TERA TACHE - BEST BLOGGER
IBM | 2020

EMINENCE & EXCELLENCE CASH AWARD
IBM | 2019

MANAGER'S CHOICE AWARD
IBM | 2020 | 2019 | 2017 | 2016

BAG CIC WIN
IBM | 2016

PUT THE CLIENT FIRST AWARD
IBM | 2016

ABOVE AND BEYOND THE CALL OF DUTY AWARD
IBM | 2016

BE ESSENTIAL CASH AWARD
IBM | 2015

DEEP SKILL CASH AWARD
IBM | 2014

MFG ON THE SPOT AWARD
INFOSYS | 2011

EUS ROOKIE AWARD
INFOSYS | 2010

CERTIFICATION

AWS SOLUTION ARCHITECT - ASSOCIATE
AWS 2020

IBM CLOUD CERTIFIED
IBM

ARCHITECTURE THINKING
IBM 2020

HACKERRANK SKILL CERTIFIED - PROBLEM SOLVING, JAVA, NODEJS, PYTHON, REST API
HACKERRANK 2020

AZURE SOLUTION ARCHITECT CERTIFICATION - WORK IN PROGRESS AZ 303, AZ 304, AZ 400

IBM EDUCATOR
IBM 2018

IBM MENTOR
IBM 2019