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**Mandeep Brar | IT Consultant**

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Top Security Clearance(Level Q)

I am an IT professional with 19+ years of experience in Information and Technology. Expert level knowledge of various phases of SDLC to incorporate CI/CD concepts. Hands on experience in setting up DevOps environment. Currently, Enterprise/ Solution Architect for Federal government. Involved in various initiatives for data migration to Cloud and building Analytics platform. Experience working and guiding teams on Waterfall, Agile and SAFE methodology. Skilled at resolving challenges, building solution’s, working in fast paced environment and competency to plan and deliver solutions.

**Professional Synopsis:**

* 19+ years of IT experience as Developer, SDET, BA/Data) Analyst, DevOps/Release Manager & Solution Architect
* Advisory role experience for analyzing technical solutions and building AoA/ POC for best solution
* Identifying bottlenecks/ challenges/ resolving issues for building industry class software products & applications
* Design, Deploy and maintain enterprise class applications within an AWS environment
* Hands on experience developing API using Golang utilizing Gin framework
* Experience in development and deploying solutions for AI/ ML solutions using SageMaker
* AWS certified Solution Architect, expert knowledge of various services on AWS, IoT on cloud, DWH etc
* Mentored colleagues/ teams on advanced DevOps, microservices and applications
* Experience in Automation, Performance and API/Webservices and automated deployments
* Lead development team in designing/migrating AWS Cloud based solutions
* Work with distributed teams to design and develop frameworks, solution accelerators, proofs of concept
* Experience on IaaS, PaaS, and SaaS Cloud project integrations, migrations, and security compliance
* Experience in designing robust solutions for the Automating Testing and deployment
* Experience in working with product owner`s and project managers to improve processes
* Multiple years of experience managing various industry standard tools
* Created presentations and demonstrations to educate the client and project teams on UAT
* Managed team of DevOps associated with testing, deployments and managing environments
* Regularly involved in changes of IAM (roles, users, policies), Security Group changes, Instance monitoring
* Modernizing traditional applications with Docker, Microservices architecture with Kubernetes orchestration
* Work closely with business to understand non-functional requirements in the application architecture
* Provide Architectural and Engineering designs for Cloud based infrastructure on Public IaaS
* Deploy, test and document Development, Pre-Production and Production environments
* Utilizing AWS console/ CLI for deploying specifically VPC, EC2, S3, EBS, IAM, ELB services
* Experience in sales/ POC for clients based on their application requirements and using open source tools
* Leveraging cloud infrastructure for cost effective solution & portable solution to prevent vendor locking
* Setting up dynamic/ static code(DAST, SAST & IAST) scanning tools for Security Testing of Federal departments
* Leveraging open source tools and technologies to reduce long term costs to minimum
* Involved in understanding requirements and building MVP for demo and pre-sales pitch to clients

**Professional Education and Certifications:**

* Bachelor of Computer Science Degree-Punjab Technical University-India
* AWS Certified Solution Architect
* Certified Scrum Master
* Certified Oracle Database Administrator

**Technical Skills: Hands on experience in following Tools, Technologies and Frameworks: Selenium Webdriver, JMeter, SoapUI, Jenkins, AWS, Docker, Cucumber, Gherkin, Jira, Zephyr, Quality Center, Bugzilla, IBM Clear Quest, Microsoft Test Manager, Test Foundation Server, TestNG, Protractor, SQL server, DevOps best practices, JAWS, 508 compliance, Jenkins, GIT, Java, JavaScript, Confluence, Bitbucket, GitHub, Tableau, Quicksight, Power BI, MuleSoft, AnyPoint Platform, Cloudhub, SonarQube, Dynatrace, New Relic, Golang/ Go, Gin**

**Automation Frameworks: TDD, BDD, ATDD**

**Cloud Services: Cloudfront, Cloudtrail, EC2, RDS, EKS, RDS, Route53, ELB, VPC, Lambda, Direct Connect, Kinesis, SageMaker**

**Professional Experience:**

**Food & Drug Administration/ CFSAN, Fairfax, VA**

**June 2018 – May 2021**

**Sr Solution Architect/ IT Consultant**

**Project description**: Working on multiple projects within Federal domain for Migration of data, analytics to AWS using AWS services, Building PaaS platform using open source technologies on AWS infrastructure to reduce costs, prevent Vendor locking and making suggested solution portable. Using ML concepts to build models and detection of Food outbreaks and various other workstreams listed below.

* Hands on experience developing Golang scripts & deployment of those API’s
* Automation of manual tasks like extracting error logs from production servers using Go
* Working as Solution architect for various applications leading Architecture improvements, Adoption of CI/CD
* Implemented the IOT project successfully where the logs generation was queried on fly and indexing done for the required streaming data.
* Leading teams with examples by doing POC of suggested solutions
* Expertise in microservices, Docker and containerization concepts and utilizing them to achieve scalability while not compromising on reliability
* Architected solution for minimal RTO & RPO
* Architected frameworks/ solutions which for zero downtime, continuous availability across geographical regions
* Architect and change advocate for engineering side to attain business objectives
* Implementing Analytics platform on AWS, ETL processes, DWH using AWS Glue, Redshift, Redshift Spectrum
* Hands on experience in setting up processes, identifying bottlenecks
* Experience in managing various phases of SDLC, from installing and managing Jira, customizing it to utilize its API's to provide consistent and reporting through dashboard metrics.
* Dockerized the framework and various applications and deployed them on AWS
* Mentored team on developing solid framework for UI and API testing
* Developed Selenium based testing frameworks and integrated them with CI/CD pipeline
* Developed plans and presentation for the client to integrate
* Experience in security testing of code for DAST, SAST, IAST at initial phases of development lifecycle
* Identifying issues/ risks, ensuring they are not repeated by triaging root cause of the issue
* Communicate plans, status and issues within the engineering teams to the leadership teams
* Integrating Jenkins, Sonar, Automation tools, Docker, Application server, database server, SCM, Cloud provider and Red Hat OpenShift to manage fluid, flexible and effective pipeline

**Sling TV, American Fork(UT)**

**March 2014 – June 2018**

Automation Architect/ DevOps Manager

Project Description: Experience as Manager for the Sling TV. Sling TV is a new Live TV service that allows subscribers to watch a collection of cable TV channels on their TV’s, computers and mobile devices. They are streamed over the Internet and user does not have to sign any contract for using Sling TV

Roles and Responsibilities

* Coordinated in change from Scrum to Kanban methodology during prioritized Release’s
* Lead architecture and deployment of OpenShift deployment for platform hosted in AWS
* Dockerized the framework and various applications to deployed those on hybrid platform
* Working with Sr. Lead Quality Analyst with different platform to suggest best automation tools
* Experience managing Docker on AWS instances using command line interface
* Experience in managing AWS EC2 using web-based management console and also through command line interface
* Experience setting up DevOps processes from scratch for CI/CD and designing the frameworks and strategy for best utilization of resources
* Coordinated and helped in improving the Release processes by better customization of Jira for specific platforms

**Vision Service Plan, CA**

**October 2013- February 2014**

SDET/ Development Manager

Project Description: My Project was for data migration of all the 4 Lines of business into Salesforce.

Roles & Responsibilities:

* Experience with data migration using import wizards and data loader.
* Provided Salesforce best practices and customizations with regard to SDLC.
* Involved in Drives the effort for End-To-End Test scenarios and test script building for UAT.
* Effectively tested Salesforce data like Reports, Analytical snapshots and dashboard (Static and Dynamic).
* Analyze clients’ current software to determine appropriate strategy and timeline for transfer to Salesforce.com platform.
* Experience in Reviewing code for developers based on the requirements.
* Efficiently and effectively work on projects for Salesforce.com, providing timely, detailed solutions, helping to streamline business processes.
* Lead team of testers/ developers to successfully develop & integrate API requests, test scenarios and test cases.
* Experience with testing of SFDC Configurations/Customizations UI, Page layouts, Tabs, Custom fields, Custom objects, and Validation rules, Triggers.
* Experience in testing SFDC Security access, security rules, workflow approvals, Data validation, Data utilities, Analytics, Sales, Mobile apps and Support administration.

**JPMorgan & Chase Bank, IL**

**December 2011 – October 2013**

Lead SDET

Project Description: Project was about Mobile & Browser testing of JPMorgan & Chase Commercial Cards application, which has $120 billion transactions annually.

Roles & Responsibilities:

* Maintaining the existing selenium Webdriver scripts.
* Managed team of Quality Analyst working on onshore offshore model.
* Developing a test data driven framework-using JMeter for performance testing.
* Working on Requirements Traceability for mapping test case to FRD & BRD rules.
* Checking transactions and validating those transactions with TSYS & EDS processors.
* Setting up of QA processes from initial stages to release of commercial credit card application.
* Mentoring junior team members and learnt product at an accelerated pace to guide development of application.
* Working with BA`s to oversee implementation of new functionality according to the change request received.
* Identifying & converting Complex business Logic that includes rules & sub-rules into meaningful test cases. Coordinating System, UAT strategies and plans.

**Astound Broadband, CA**

**June 2009– December 2011**

Software Engineer

**Bank of America, CA**

**Dec 2007 – May 2009**

Software Engineer

**Aetna Healthcare, MA**

**June 2006 – Nov 2007**

Lead SQL support engineer

**Cable One, AZ**

**Nov 2003 – May 2006**

Technical Support Engineer