**ABHINAV SHARMA**

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***SENIOR SOFTWARE ENGINEER /AUTOMATION ENGINEER / DATA ENGINEER***

*Offering over 9 years of experience across the industry, seeking challenges in IT / Software sector*





**PROFILE**

 Holds Masters Degree in Software Engineering & Computer Networks which enable me to provide services in software development, data engineering & Computer networks field.

 Have more than 9 years of professional experience in the Information Technology industry having hands on experience in software development using Java Spring Boot, Python, Asp .Net MVC C#, Angular and Angular JS, Node JS.

Familiar in working under agile and scrum environment.

 Possess strong analytical and problem solving skills coupled with excellent written, verbal and inter-personnel communication skills.

 Skills in the area of developing new projects as well as maintaining existing projects and suggesting suitable changes if necessary.



**SKILL SET**

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| Language(s),libraries and Frameworks: | JAVA Spring Boot ,Python Flask, Asp.net Core, Asp.net MVC C#, ECMASCRIPT 6, Javascript,Typescript, Angular, Angular JS, React, Node JS, Knockout JS, Scikit learn, |
| Software Testing and Automation  Framework: | Nunit, moq, Mockito, Xunit, Junit, Rhino, Selenium, puppeteer, LeanFT |
| Database(s): | MS SQL Server, Oracle, Neo4j, Mysql |
| Code Management Tools: | Git, Sourcetree, SVN,TFS, Bitbucket, Gitlab |
| BPM and Low Code Platforms: | Outsystems, Bizagi |
| IDE: | Pycharm, Visual Studio, Visual Studio Code, IntelliJ, Anaconda,  Eclipse, Atom |
| Data Technologies: | Apache Spark, Elastic Search,Entity Framework, Dapper, Hibernate, Redis Cache |
| Application and Web Server: | NGINX, Kestrel, IIS, Tomcat, Glassfish, Jboss, Apache |
| Operating Systems: | UNIX, Windows 2003 Server, Windows Server 2008-12, Windows 7-10, Linux |
| Cloud based solutions | Azure, Azure Service Bus, AWS Console, AWS CloudFront, S3 Bucket,  EC2 Instances, AWS Lambda |
| Continous Integration Tools | Octopus Deploy, Teamcity, Azure DevOps, Jenkins |
| Virtualization and Container Technology | Docker, Kubernetes, Hyper V, Vagrant |



**PROFESSIONAL EXPERIENCE**

**G42 (Payroll Company Workforce Connexion)**

Abu Dhabi March 2020 to Till Date

**Software Engineer**

**Project: OSINT**

**Technology** : Python Flask, JAVA Spring boot, elastic search 7.0, Apache Camel, Hystrix, neo4j, Docker, kafka, Selenium, Selenium Grid, Gitlab CI/CD, Mockito, Kubernetes, AWS Lambda, Feign, spark, mockito

* Design and Implemented real time data piplenine for data ingestion from multiple social platforms using python, kafka and apache camel
* Implemented the Micro Service Architecture in Current Project including Service Discovery, Api Gateway and Distributed Logging (ELK)
* Troubleshoot the connection issues related to message broker and implemented the retry logic for the same
* Researched Git lab CI/CD including automated Docker Builds and deployment stages
* Imlemented optimized cypher queries for persisting and reading data from neo4j which resulted in troubleshooting run time errors and reduced reponse time of the middle layer
* Implemented scheduled Batch Processing of keywords search for tweets and posts using Spring Batch and Spring Scheduler
* Implemented feign declarative http client for api calls
* Implemented elastic search persistence using rest high level client
* Implemented concurrent api calls and concurrent database records ingestion using completable futures for increasing performance of the application and decreasing the response time
* Wrote unit tests and integration tests using mockito and test containers
* Dockerization of modules and management of containers in different environment using portainer

**Project: Eval Expert**

**Technology** : Python, Docker, Selenium, AWS Lambda, Oracle, AWS API Gateway, Spark, AWS Redshift

* Implemented automation of BMW recall Service using Selenium and chrome driver on Ubuntu container with xvbf.
* Design and Implemented real time data piplenine from 20+ data sources(GCC Region and Australia) for ingesting automobile data using Python, Selenium, Kafka, PySpark
* Redesign of schema including renaming column name as per the conventions and creating necessary index.
* Created script for predicting missing labels of historical data using NLP techniques including Full Text Search index and cosine distance. The script was able to decrease error rate of model by 5%. These labels were used by data scientist in the ML models to predict car prices
* Implemented script for data cleansing and data migration which included versioning of records and removal of duplicate records
* Migration from Oracle to AWS Resdshift for increased performance
* Implemented Api’s for price prediction
* Image preprocessing including cropping and grayscale conversion for getting text data from driving license

**Emaratech**

JLT Dubai May 2019 to March 2020

**Senior Software Engineer**

**Project: Visa Processing System**

**Technology**: Angular, Asp.net, HTML 5, CSS 3 Bootstrap, RabiitMQ,TeamCity, Octopus Deploy, Postman, Selenium

* Implemented UI Components like Grids, Infinite Scroll, range slider and multiselect
* Pdf Reports including inserting images and dynamic content such as tables and links
* Message boker implementation
* implemented Deployment Scripts
* Optimized sql queries for dashboards
* End to End Visa single, bulk and group application automation using Selenium

**Appearition India Pvt Ltd**

Chennai March 2017 to May, 2019

**Senior Software Engineer**

**Project: Assessment Platform(UK Product Based Company)**

**Technology**: ASP.NET MVC, Web Api, Web Services(ASMX), Asp.net Core, C#, Entity Framework,Azure Devops, Javascript, HTML 5, CSS 3 Bootstrap,,Ninject, moq, Azure Service Bus, Mass Transit, Git, TFS,Octopus, Powershell, Azure DevOps, selenium, Vagrant, Postman, SoapUI

* Assessment Platform On demand as well as Stand Alone for leading Government Institutions and Private Enterprises
* Worked on delivery Module and XAPI and LRS integration Module including Service layer, DAL Layer, Logging using serilog, implemented message broker using azure service bus
* Written Unit Test using moq framework
* Created Powershell Deployment scripts for new modules and modification of scripts of older modules
* Create Build Definitions for new Delivery Modules
* Automate E2E Test using selenium

**Project: Educart EMS (Leading University in Melbourne)**

**Technology**: ASP.NET MVC, RestFul Web Api, C#, AWS, React, HTML 5, CSS 3 Bootstrap, CQRS,Ninject, Git, Teamcity, Octopus, Swagger UI

* SAAS based Augmented Reality Solution for University
* Backend for adding, administering, configuring AR Experiences and Customized modules in Multi Tenancy Architecture
* Assessment, QandA and Learn Module for optometrics department of university which included designing complex UI (customized grids, tree node controls, context menus) and writing React Components for the same
* Writeen complex sql queries and did optimization of already written queries
* Analytics dashboard using Data Warehousing including Dimensions and Fact tables
* Integration with image recognition libraries eg Catchoom,Vuforia,Easy AR and Wikitude
* Managing Servers and Build Automation and Release Using AWS Console, Octopus, Teamcity and Powershell Scripting

**Project: FloAR**

**Technology**: C#,Asp.net MVC 5, WebApi,Knockout JS, Angular JS, Gulp, Underscore JS, HTML 5, Bootstrap, Dapper, Ninject IOC

* Configurable work flow wizards
* Task and Job scheduling
* Document upload
* Role based configuration
* UI –Grid Implementation for displaying reports in tabular format
* Dynamic forms out of JSON data

**smartData Enterprises**

E-37, Industrial Area, Mohali 27 Oct ‘2014 to 28 Feb ‘2017

**Senior Software Engineer**

**Project: NPAWeb (US Client)**

**Technology**: C#,Asp.net MVC, Angular JS, OClazyload, Postal JS,Lodash,HTML 5, Bootstrap

* Angular JS shell project for codemetro
* Editable Templates functionality - The pdf will be converted into editable html template
* Lazyloading javascript files as per angular module
* Pub/Sub Pattern using postal js for event based html components rendering
* UI –Grid Implementation for displaying reports in tabular format
* Ng-messages for Client side validation

**Project: NPAWorks**

**Technology**: C# .Net Windows Forms, Sql Server 2012, Entity Framework

* Windows application for physiotherapists – maintaining patient records, physiotherapist schedule etc
* Asynchronous Bulk Report Generation

**Project: Bharati AXA - BAXA Unification**

**Technology**: Cordova,Ionic, Angular JS, Node JS

* Mobile app for Bharati Axa agents and employees for creating and managing customer portfolio
* Implemented Complex UI using Angular JS and ionic including customized accordions, bar charts, stack bar charts and sliders.

**Project: US State Government Legislative Management System**

**Technology**: Angular JS, HTML 5, JAVA Spring , Repository Pattern,Hibernate,Log4j

* Login and Dashboard as per Roles
* Password Encryption using SHA-1
* Generic Response API’S
* Implementation of Smart Table for data grid and Angular Bootstrap UI for accordion and calendar control.
* Custom Attributes for Error handling and Logging

**Project: Solution Suite for Application & Desktop Delivery**

**Technology**: C#, Asp.net MVC, 4 Entity Framework, WCF, Power Shell Remoting, WMI, COM

* Integration with WMI for agent less monitoring of remote servers.
* Implementation of powershell remoting and integration with C# for Adding Server Roles.
* COM for implementing Load Balancing
* Active Directory Management

**Project: Haywardrewards.net**

**Technology**: VB, Asp.net,Linq

* Website for managing Partners and dealers of organization selling pool products
* Management of microsites
* Upload and processing of CSV and DBF Files

**Project: Ecommerce site selling Beauty Products**

**Technology**: C#, Asp.net, linq, php Facebook sdk

* Ecommerce application selling Beauty Products.
* Integration with responsive design.
* Multilingual version of website (Spanish, French, English)
* Integration with limelight CRM
* Facebook Feeds

**Project: Ecommerce site selling Organic Meal**

**Technology**: C#, Asp.net MVC, Entity Framework

* Ecommerce application selling organic meal.
* Admin panel for managing client, kitchens, inventory, invoice and coupon system

**Project: Emergency Management & Crisis Management Application**

**Technology**: C#, Asp.net MVC, WCF

* Crisis and Emergency Management Application based on SaaS model.
* Bidirectional flow of data between current systems and proposed system
* Ability to register client on subscription basis
* Auto generation of emergency management and crisis management plans as per industry, procedures and site specific data
* Workflow application to manage crisis and emergency. Ability to activate an event and follow set procedures and assign roles. Mobile application will provide facility for coordinated communication between emergency and crisis management team.

**Nama Solutions**

Sector 12 Chandigarh Feb 17 ‘2014 to 25 Oct ‘2014

**Software Developer**

**Project: Golfessentials.in,**

**Technology**: PHP, Jquery, Mysql, XAMPP, Apache, Zoho CRM, Zoho Creator, Zoho Campaigns

* Website selling Golf Equipments and also Golf travel packages, Implemented products section, recently viewed Module, Guest Checkout, bulk mailer and presently working on tour packages section of the website.
* Integrated php with lead management module of zoho crm for exporting data from customer table and guest checkout table into zoho crm for further sales opportunities.
* Importing email ids from zoho crm into zoho campaign while sending promotional bulk mailers
* Schedule Importing of sales data from Mysql table using php and zoho creator apis into zoho creator for monthly, quarterly and yearly sales report generation

**1200-jahre-humprechtshausen.de**

**Technology**: PHP, Jquery, Mysql, XAMPP, Apache

**Framework:** Bootstrap

**Krauserbau.com**

**Technology**: PHP, Jquery, Mysql, XAMPP, Apache

**Framework:** Bootstrap

**degraphics advertising & marketing**

**Sector 30D, Chandigarh** Jul 01‘2013toFeb 15’ 2014

**SoftwareDeveloper**

**Project: Web Based CRM and Client Portal for Assets Management**

**Technology:** JAVA, Jquery, MYSQL

**Project outline**: The Project Client Resource Management System is a web based application and provides the facility for Lead Management, Contact Management, and Asset Management.

* It contains the information of every client managed by the wealth management agency.
* It contains the information relating to the appointments booked.
* The client portal consists of the information of all the portfolios related to the client.
* The client portal also consists of the visual display of the current value of each asset owned by Client.

**MetadataTraining**

(39**,PembertonTerrace,TufnellPark,LondonN195RX**) January‘2011to29Nov2012

Website: [www.metadatatraining.co.uk](http://www.metadatatraining.co.uk)

**SoftwareDeveloper&Technical Support**

**KeyAccountabilities:**

* Web Application development using JAVA (Spring) & Hibernate.
* Technologies Used: Visual Paradigm (UML), Netbeans 7.1, Spring MVC, Hiberante for Object
* Relation Mapping, Database HSQLDB, Maven as Build tool, Mockito for mocking Objects during unit Integration Testing.
* Managing Companies Domain including Configuring and managing active directory (Win2003,2008) and Exchange server(2003,2007)

**Project: Client Resource Management System for Business Analyst Training Institute**

**Technology:** JAVA, Spring MVC, HSQLDB, Hibernate, Mockito

**Project outline:**The Project Client Resource Management System is a web based application and provides the facility for Client booking, Course Booking & Scheduling, Exam Booking and Results report generation, bar-graph creation mechanism and provides the functionality like monthly reports.

* It contains the information of every client booked including Individual or corporate client.
* It contains the information of all the courses and there scheduling
* It contains the information related to Exam booked and Exam results.
* Report generation based on different criteria for example client who has taken all exams

**Project: Email Marketing**

**Project outline:** It is a web-based email marketing solution and business communications service and technology.

* It offered comprehensive email list management, user-friendly newsletter and campaign creation, multilingual support, absolute highest rates of email deliverability, full anti-spam compliance and ISP relations management
* Also, offered advanced campaign tracking and analysis to enable greater optimization of email and a higher return on investment.

**ACADEMIC CREDENTIALS**

**MSc (Software Engineering) with Commendation Jan 2011-June2012 (Full Time)**

**Kingston University U.K. Penrhyn Campus, Kingston Upon Thames, Surrey KT1 2EE**

**Dissertation**

“Analyzing and Implementing Business Process Management using Business Process Management

Suite”

**MSc (ComputerNetworks) Jan2006-Sept 2007 (Full Time)**

**Middlesex University U.K. Hendon Campus, The Burroughs, London NW4 4BT**

**Dissertation**

Prepared and presenteddissertation on Simulation of Medium Access Control Protocols in LANs

(Simulation code in C++)

**GNIIT(3 YearsDiplomain Computer Application)2002-2005**

**NIIT Chandigarh India**



**PROFESSIONALQUALIFICATION**

**SAPCertified Development consultant-2010**

**MCTS:Microsoft Exchange Server 2007–2010**

**MCTS:Windows server2008 -2010**

**CCNA(Cisco certified network associate)-2009**

**MCSE(Microsoft certified system engineer-2005**



**References**

**DrMikeGoodland**

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