

# MAYANK SAXENA

Software Developer, Pune

## Profile Summary

- A Passionate software programmer with **9 years** of experience in Application Development using Java EE, Javascript,Blockchain,cloud and MERN stack technologies.
- Worked on Developing and Researching Blockchain POCs and learning them.
- Hands on Experience in Software Product Development.
- Worked on Aws Cloud Architecture using microservices and deployment using Aws services and Docker.
- Developed user interface using Angular 6, ReactJs , JavaFX, Scene builder and Swing.
- Hands on Experience of Java, multi threading, Restful Api, Hibernate, Spring.
- Good understanding of Object Oriented Programming, Design Patterns, Algorithms and Data Structures.
- Designed and Developed Restful Web Services.
- Intermediate understanding of Cryptography and other Crypto Algorithms like ECDSA, PBKDF2, SHA256 etc.
- Good analytical, problem solving and communication skills.
- Developed and created Reports using report engines like YARG (Yet another Report Generator), Elixir Repertoire.
- Worked on Software Development Tools like Maven, SourceTree, GIT, Docker and SVN.
- Experience in TDD Software Development, with unit testing.
- Experience in BDD Feature test Framework Development using Cucumber Java Api.
- Experience in working in Agile Environment as a Scrum Master.

## Work Experience

### Capgemini Pvt Ltd ( BNY MELLON , BlockChain) – Pune, India –Sept 22- June 23 Manager

- Working on Bond tokenization and writing smart contracts.
- Working on developing spring boot services for bond tokenization.
- Developed Web3j java adapter for fetching information from the blockchain.
- Deploying smart contracts on Hyperledger Besu blockchain.

### IntraEdge Pvt Ltd ( American Express , RiskTech) – Pune, India –Aug 21- Aug 22 Engineer II

- Worked on developing FBPM Event Journey dashboards using ReactJS.
- Worked on requirement gathering and analysis from business .
- Developed dashboards using HTML ,CSS and javascript .
- Work with the Event Engine team on any modification in functionality.

### IntraEdge Pvt Ltd ( Cisco CCIE ,Cisco Certified Internet Expert) – Pune, India –July 20-July 21 Technical Lead

- Worked on developing Spring MVC applications .
- Developing features for the application using rest endpoints and using Swagger to test these endpoints .

### Key Skills

Spring Core  
Spring Boot  
JavaFX  
REST Services  
Apache CXF  
Go-Ethereum(GETH)  
Web3Js  
Truffle Framework  
Solidity  
Nodejs  
Hibernate  
MicroService

### Other Skills

MySQL  
MongoDB  
HTML  
CSS  
ANGULAR 6  
React JS  
OAuth2  
Nginx

### Cloud

AWS EC2  
AWS S3  
AWS CloudWatch

### Tools

Eclipse IDE  
STS  
SVN  
Maven  
Gradle  
GIT  
JIRA  
SourceTree  
Scene Builder  
Elixir Repertoire Tool  
Putty  
Docker

### Technologies

Ethereum BlockChain  
Java  
JavaScript  
TypeScript

- Developing features for the application using J2EE.
- Developed services using MongoDB with java 8 to save data and queries to manipulate data.
- Writing Junit test cases for the application using TDD.

#### **Pratiti Technologies (Mindsphere ,Siemens PLM )– Pune, India – Aug 19-Mar 20**

##### **Senior Software Consultant**

- Developing Spring Boot microservice and deploying it on AWS and AZURE cloud.
- Developing Feature Test Framework using Cucumber Java Api.
- Performing load testing of the microservice using Apache JMeter.
- Writing functional unit test cases for the Rest web endpoints.

#### **Synerzip Pvt Ltd – Pune, India – Feb 17-Jul 19**

##### **Senior Software Developer**

- Learning Blockchain Technologies and implementing them.
- Developed POC's of Ethereum Blockchain using truffle js, web3 js, Angular, geth (Ethereum CLI), Solidity and NodeJS at server end.
- Working on other Blockchain POCs using HyperLedger, Corda and Chain Technology.
- Working on a micro service based architecture.
- Product Development using Java EE technologies ie Spring Framework, Hibernate.
- Followed standard agile methodologies for application development.
- Delivered modification at server and client side(both desktop and web Application) during the sprints.

#### **Persistent Systems Limited – Pune SEZ, India – Nov 14-Feb 17**

##### **Software Engineer**

- Gather and analyze product requirements by collaborating with US customer and life science teams.
- Design and develop User interfaces using JavaFX and Swing Technologies.
- Develop desktop applications to connect with different spectroscopic instruments.
- Create user data analysis reports in HTML and PDF format using YARG.
- Generate help files for the application.
- Implement CXF Restful web services and write functional unit test cases.
- Deploy maven build application on tomcat server.
- Store data in the form of JSON using MongoDB and write server API's for it.
- Configure Jackson JSON provider at CXF JAX-RS client side.

## **Project Details**

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#### **Capgemini Pvt Ltd ( BNY MELLON , Blockchain)**

**Client:** BNY Mellon

**Role:** Backend Developer

Blockchain-based trade finance is just the latest step in BNY Mellon's drive to expedite the paper-to-digital journey and make payments and trade more efficient for clients. Bond tokenization is the act of representing the ownership of a bond by a token on a blockchain, and to automate the execution of the bond's terms via programmable smart contracts.

#### **Responsibilities:**

- Worked on developing POCs on Ethereum Blockchain.
- Worked on developing services for bond tokenization.

## **OS**

Linux

Windows

- Developed Web3j java adapter for fetching information from the blockchain.

**Technology stack:** Java 11 ,Spring boot , Web3j , Hyperledger Besu blockchain.

### **IntraEdge Pvt Ltd ( American Express , Risktech Event Journey)**

**Client:** Amex

**Role:** Full stack Developer

Risktech event journey project basically deals with managing various events used in model execution and displaying those events on FBPM dashboards. It helps businesses to identify the execution of a particular model execution and download reports , if any. Event journey dashboard is a part of FBPM platform and is developed using ReactJS,HTML,CSS .It also has an event engine and event journey service developed in java and exposes API endpoints used by front end UI.

#### **Responsibilities:**

- Developing Event journey dashboard using ReactJS.
- Collaborate with the server side team to develop features.
- Worked with the Event Engine team on any modification in functionality.
- Worked on developing API responses and workflow for the EJ dashboard.

**Technology stack:** ReactJs , Javascript , HTML,CSS,Jenkins,Java8..

### **IntraEdge Pvt Ltd ( Cisco CCIE ,Cisco Certified Internet Expert)**

**Client:** Cisco

**Role:** Java Developer

Mosaic CCIE is an Exam Developer platform which aims at creating various levels of CCIE exams using the platform .There are several users logged on to the platform to create there field of study exams ,which are then re-checked by the moderators of the corresponding exams .These exams are then passed with certain criteria and eligibility ,and are then used by CISCO in there training and certification.

#### **Responsibilities:**

- Worked on developing Spring MVC applications .
- Worked on developing features for the exam developer platform.
- Worked on writing unit test cases and followed TDD development.
- Worked on writing services to interact with mongodb to persist data and to read and modify data .
- Worked on fixing code smells using SonarQube .

**Technology stack:** JRE 1.8, Spring MVC, Swagger,MongoDB,SonarQube.

### **Pratiti Technologies - Mindsphere-IOT**

**Client:** Siemens

**Role:** Java and Aws Cloud Developer

MindSphere is the cloud-based, open IoT operating system from Siemens that connects products, plants, systems, and machines, enabling them to harness the wealth of data generated by the Internet of Things (IoT) with advanced analytics.

#### **Responsibilities:**

- Worked on Asset management micro service and deploying it on AWS cloud.

- Working with Java 8 using Spring boot framework.
- Worked on performance load testing of Asset management micro service using Apache JMeter.
- Worked on developing Restful Api's for different features of the micro service.
- Worked on developing Feature test framework (BDD) for the micro service using Cucumber API.

**Technology stack:** JRE 1.8, Spring boot, Swagger, Gradle, AWS cloud services.

## **SYNERZIP - HRMS**

**Client:** Synerzip HRMS

**Role:** Product Owner & Backend dev

Created a micro service to store employee documents over cloud using AWS S3. The backend micro service is run by Spring boot and is deployed over to AWS EC2 instance using docker. The service reacts with an Angular client as well, which is also hosted on an EC2 instance over docker containers.

### **Responsibilities:**

- Managed, developed and deployed micro service.
- Led a team of 3 people and followed Agile methodologies.
- Developed document service using AWS S3 api and Spring boot.
- Deployment using Docker services.

**Technology stack:** JRE 1.8, Spring boot, Swagger, Gradle, Docker, AWS cloud services, microservice, Angular.

## **BLOCKCHAIN SUPPLY CHAIN POC**

**Client:** Synerzip

**Role:** Product Owner & Backend dev

A supply chain blockchain could boost transparency, trust, and predictability by allowing users to track where a shipment is at any given time. Since a blockchain is an immutable ledger, changes in possession and ownership of goods as they move from their producer to their point of retail could be entered into the ledger instantaneously and permanently. Because a blockchain is decentralized, it has no single point of failure. So, shipping, possession and ownership information could be better protected from tampering or hacks.

Worked on writing Smart Contracts for the entire Supply chain blockchain.

### **Responsibilities:**

- Learning other DLT's like HyperLedger, Corda and Chain Technology.
- Creating backend services using NodeJS and connecting it to the Go-Ethereum client to monitor the changes over the supply chain.
- Created Ethereum Smart contracts for supply chain using Solidity and Truffle.
- Created ERC20 Tokens for the Supply chain so that it can be traded across the chain.
- Worked on Hierarchical Deterministic Wallets for the supply chain accounts using ethereumjs-wallet api and following BIP39.
- Followed Agile Methodologies and led a team of 2 people.

**Technology stack:** Go-Ethereum, NodeJS, Docker, Solidity, Truffle, Angular, MQTT protocol, Mosca, Sequelize and AWS Cloud Services.

## **PDX EPS-ECC**

**Client:** Costco Retail

**Role:** Full Stack Java Developer

This product aims to provide pharmacists to dispense the drug based on the written or over the air prescription, manage the prescriber across states and many more required things to perform on the store. The product technologies consist of Java 8, Spring boot, Hibernate, spring core, Elixir Repertoire to manage reports, JSF, Swing, Agile, JAXB , Gradle, JIBX etc.

### **Responsibilities:**

- As a Scrum master to deliver the Sprint right on time.
- Gathering proper business requirements from clients and adopting the changes in the Agile environment.
- Creating UI using Swing framework and working with JSF.
- Writing Rest services and following Test Driven Development.
- Proper Development testing and fixing bugs that are found by QA.
- Fixing Regression issues.
- Generating reports using the Elixir Repertoire Tool.
- Proper researching the user story and analyzing the estimates so as to fit it into the sprint pre planning.

**Technology stack:** JRE 1.8, Spring boot, Spring Core, Spring Security, Hibernate, Swing, Elixir Repertoire reports, Maven and JSF.

## **LTC-PSMS LHC OFFSHORE**

**Client:** ThermoFisher Scientific

**Role:** Full Stack Java Developer

The project was based on enterprise application development with web and desktop services. It is used at the factory side to store and report pipette information on the server. The web side service enables the application to use it on the way by any scientist or users to retrieve pipette correct information and so to maintain its production. The project components were mainly written in Java 8 .The major technologies involved in the production were Java 1.8, JavaFX, CSS, Spring framework, Rest API's,PostgreSQL, Barcode API and YARG.

### **Responsibilities:**

- Developing User interface using JavaFX and Scene Builder.
- Writing Rest services using Apache CXF at server side.
- Storing Data into a database using Spring Jdbc and MongoDB.
- Generating reports for the data using Yarg Api.
- Generating Barcodes using Barcode Api.

**Technology stack:** JRE 1.8, Apache CXF, JavaFX, PostgreSQL, Angular, Barcode Api, Spring JDBC, Spring Core and Spring Security.

## **LTC -SPARKY ISP**

**Client :** ThermoFisher Scientific

**Role :** Java UI Developer

The project was mainly based on the testing of radiation samples for calculating and analyzing the amount of radiation present in it. These samples are useful for depicting the type of disease present or may present by analyzing a test sample. This is a desktop application which involves connecting the application to the instruments for testing the sample data.

**Responsibilities:**

- Developing User interface.
- Requirement gathering & analysis.
- Generating Help module for the application.
- Creating workflow using core java.

**Technology stack:** JRE 1.6, Java Swing, Java Core and Spring Core.

## **Education**

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B.E (Electronics & Telecommunication Engineering) from IET DAVV, INDORE ' 2014 .

## **Contact**

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