

MAYANK SAXENA

Software Developer, Pune (website: <https://mayanksaxena001.github.io/>)

Profile Summary

- A Passionate software programmer and a Certified Blockchain Developer with more than **5.5 years** of experience in Application Development using Java EE, Javascript and MEAN stack technologies.
- Working on Developing and Researching Blockchain POCs and learning them.
- Hands on Experience in Software Product Development.
- Good analytical, problem solving and communication skills.
- Developed user interface using JavaFX, Scene builder, Angular 6 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.
- Worked on Aws Cloud Architecture using microservices and deployment using Aws services and Docker.
- 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

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 of 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.
- 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.

Key Skills

JavaFX
Swing
Spring Core
Spring Boot
Spring JDBC
Spring Security
REST Services
Apache CXF
Go-Ethereum(GETH)
Web3Js
Truffle Framework
Solidity
Nodejs
Hibernate
YARG
Elixir Repertoire

Other Skills

MySQL
MongoDB
HTML
CSS
ANGULAR 6
OAuth2

Cloud

AWS EC2
AWS S3
AWS CloudWatch
AWS Route53

Tools

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

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

Software Engineer

- Gather and analyse 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

Siemens - 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 service to store employee documents over cloud using AWS S3. The backend 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 project.
- 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, Angular.

Technologies

Ethereum Blockchain

Java

JavaScript

TypeScript

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 comprise 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 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, MongoDB, 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, MongoDB, 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

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

Contact

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