

SACHIN WAKLE

Full Stack Developer

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Profile Summary

- Extensive experience of **more than 5.5 years** in software development and Agile methodologies.
- Proficient at implementing core backend development tasks and REST API development in Java.
- Good hands-on in UI development using ReactJS and Material-UI.
- Worked on containerization platforms like docker and Continuous integrations platform like Jenkins and GitLab-CI.
- A team player with a notable analytical proficiency and ability to grasp new technical concepts quickly and utilize the same in a productive manner.
- Develop and evaluate prototypes and proof of concepts.
- Worked as code reviewer for different projects.
- Worked on Agile methodology and follows best practices like git flow, sprints, and effective use of Jira/confluence.
- Ability to lead client meetings, understand their requirements, communicate professionally and lead with empathy.
- Conducted level one technical interviews as per client requirement.

Work Experience

Persistent Systems Limited – Pune, India – Aug 2018 to till date.

Lead Project Engineer

Worked on various projects in Life Science and Healthcare-BU

Tata Consultancy Services – Pune, India – Aug 2015 to Aug 2018

Assistant System Engineer (Java Backend Software Developer)

Worked on various client projects of the domains like Digital Interactive Technology, TTH etc.

Project Details

Partners i2b2 CDI – Jul 2019 - till date

Client: Mass General Brigham, USA

Role: Full Stack Developer – Core Java, Spring boot, Python, JavaScript, docker.

i2b2 is an open-source clinical data warehousing and analytics research platform used at over 250 locations worldwide. i2b2 enables sharing, integration, standardization, and analysis of heterogeneous data from healthcare and research.

i2b2 CDI (Clinical Data Infrastructure) application has been built on top of i2b2 which allows users to import patient's data and clinical concepts in bulk into i2b2. Creating derived concepts and managing their inter-dependencies. It also provides real time API

Key Skills and Knowledge

Backend

Core Java
Spring RESTful API
Spring Framework
Spring Boot
Spring Batch
Spring Integration
Microservices
Python Scripting

Front-End

ReactJS (17.x)
Redux
JavaScript, ES6
HTML, CSS

Database

SQL Server
PostgreSQL

DevOps

Containerization- Docker
Gitlab-CI
Jenkins – CI CD

Other Skills

Azure function,
Azure Active Directory for Auth
Azure Data Factory
Azure VM Provisioning
Azure Media
JUnit

Tools

STS/Eclipse
Apache Maven
NPM
VSCode
Jhipster
Version Control Git
JIRA
Confluence

interface for managing concepts, derived concepts, facts, providers etc. with CRUD operations. CDI provides visualization of patient cohorts using **Sankey module**. It also provides **Tabulation Report** which is visual query language that translates drag-and-drop clinical concepts into data queries and then expresses data visually.

Responsibilities:

- Understanding and gathering requirements from client.
- Setting up project from scratch.
- Create robust batch jobs, high performance, and robust REST API's.
- Designing the UI screens.
- Creating complex docker build and docker-compose scripts.
- Writing Junit test cases.
- Follow project tools like Jira, Git, confluence etc.
- Code review.

Tools/Technologies:

- Backend – Java, Spring boot, RESTful API, Python scripting.
- UI – Vanilla JavaScript, HTML, CSS.
- DB – PostgreSQL, SQL Server.
- Build & Deployment – Docker, Jenkins, Gitlab-CI ,SonarQube, OpenShift.

Patient Identification – Apr 2019 – Jun 2019

Client: Mass General Brigham, USA

Role: Backend Developer – Core Java, Spring boot

The solution intends to create cohort for different types of disease identified in patient by transforming deidentified data. This transformation would be carried out in azure data factory by creating different types of data pipelines and these pipelines constructed with help of azure functions and sql queries and staging database server.

Responsibilities:

- Requirement elicitation & analysis
- Active involvement in designing System architecture.
- Designing database schema
- Design doc for API endpoints and implementation of the same
- Consuming Microsoft azure cloud service APIs in backend application
- Utilizing different Microsoft azure services like azure function, azure data factory, azure vm, azure active directory for authorization and authentication

Environment: Linux based Azure VM, Azure cloud Services

Worked Tools/Technologies: Spring-boot framework, postgres and azure MySQL server database, different azure services .

Enhanced Patient Portal – Sept 2018 – Mar 2019

Client: Duke health, USA

Role: UI developer- Reactjs

EPP Application is a portal which will help patients to view/read different digital programs which will help them to overcome medical conditions. EPP is accessed from

EPIC mycharts(smart on fhir) and fetch contents from drupal cms to show videos/articles to users. Portal has features like localization support as well as customizable card layouts.

This is a responsive web application supporting most of the commonly used web browsers.

Responsibilities:

- Requirement understanding and analysis.
- Providing the technical solutions to implement complex requirements and help resolve the implementation complexity of requirements.
- Estimation
- UI implementation/development (coding and unit testing)

Environment/Technologies:

- UI - Reactjs 16.11, Redux, material-ui
- API – spring boot
- DB – PostgreSQL
- OS – Windows 10

BU - Cloud Plus Service Manager ITIL tool

Client – TCS iON

Role – Full Stack Developer – Core Java, Servlet, Ext Js 3.4, MySQL Server

Responsibility: Performed Full stack Dev activities at various phases of product development. Performed Back-End development such as implementing various services methods and handler methods with Java, Servlet and MySQL Server 5.6 technologies. Performed Front-End development with Ext Js 3.4, JavaScript, HTML, CSS technology. Performed Requirement Analysis, Implemented Design Documents and Test Cases. Performed Defect Fixing during QA phase till release and deployment of the product.

Technical Skills - Java2EE, Ext Js 3.4, HTML, CSS

Tools - Eclipse Luna IDE v4.4, Apache Maven build tool, Jenkins's deployment tool, Chrome Dev debugging tool.

- **Reduced defects count during QA phase from 46% to 18% in Cloud Plus Project**

MePC Maersk Line

Client - A. P. Møller

Role – Backend Developer – Core Java, Spring Boot, RESTful API

A large shipping corporation MePC is the electronic product catalogue, a dynamic electronic catalogue where users can search for products and services. This is basically a planning tool which returns the optimized product based on low cost and then low transit time.

Responsibility - Writing Web Services using SOAP JAX-WS protocol and RESTful JAX-RS along with Apache Camel Router Enterprise Integration Pattern

Technical Skills - POSTMAN, SOAP-UI, Jetty Server Apache Maven build tool, Eclipse IDE.

Education

- 2012-15 B.E. in Computer Science and Engineering with **71% marks** – MGM's Jawaharlal Nehru Engineering College, Aurangabad
- 2009-12 Diploma in Computer Engineering with **78.31% marks** – Government Polytechnic, Jalna
- 2008-09 SSC Board Aurangabad Division with **89.85% marks** – Z. P. High School Lasurgaon Tal Vaijapur Dist. Aurangabad

Publications and Self Started

- **Research Article** – Co-Author of “Cloud Services for Patient Cohort Identification Using the Informatics for Integrating Biology and the Bedside Platform”
<https://doi.org/10.1155/2020/2851713>
- **Project - Hotel Management**
This web application provides room booking service along with other feature like showcasing photos local area and map directions.
<https://akshaylodge.netlify.app>
Technology :
 - Backend – Java, Spring Boot.
 - UI – ReactJS, Redux.
 - Deployment – Netlify
 - GitHub - <https://github.com/akshay-zagade/hotel-management>
 - <https://github.com/sachinwagle/hotel-management-api>
- **Project – Scroll-Up ^**
Scroll-Up google chrome extension for chrome web browser for scrolling up web page from bottom to top quickly. Developed in JavaScript.
<https://github.com/sachinwagle/scroll-up>
- **Blog on Medium** - <https://medium.com/tech-journo>