

SACHIN WAKLE

Full Stack Software Engineer

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Profile Summary

- Extensive experience of **more than 5.9 years** in software development and Agile processes (Scrum)
- Proficient at implementing core backend development tasks and REST APIs development in Java.
- Good hands-on in front end development using ReactJS and Material-UI.
- Worked on containerization platforms like docker container, Continuous integrations, Continuous deployment (CI/CD) platform like Jenkins and GitLab-CI.
- Proficient in analytical skills and ability to grasp new technical skills quickly and utilize the same in a productive manner.
- Develop and evaluate prototype and proof of concepts (POCs).
- Participate in code review of key functionalities or architectural aspects.
- Worked on Agile methodology and follows best practices like git flow, sprints, and effective use of Jira/confluence.
- Ability to lead client meetings, understand customer requirements, communicate professionally and lead with empathy.
- Conducted level one technical interviews as per customer requirement.
- Possesses strong verbal and written communication skills.

Work Experience

Persistent Systems Limited – Pune, India – Aug 2018 - Present.

Lead Software Engineer

- Technical leadership, setting best practices including integration, application development, deployment, testing (unit and systems) and end to end software development life cycle.
- Experience on integration using external third-party libraries and APIs, CI understanding
- Expertise and advanced skills in designing, analyzing, troubleshooting, implementing large-scale ,robust solutions systems that perform faultlessly at scale, with high availability resilience.
- Ability to innovate and develop new approaches to complex design problems.

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

System Engineer (full stack developer)

- Hands on experience in developing (and test) all new cloud-ready code using Java, Spring, Spring Boot, Microservices, REST API and other technologies with strong Object-oriented programming (OOP) concepts with RDBMS DB (Postgres) .
- Good hands-on in JavaScript, ReactJS, Redux, HTML and CSS.
- Good hands-on in docker, Continuous integration tools, e.g. Jenkins, Gitlab-CI

Key Skills and Knowledge

Backend

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

Front-End

ReactJS
Redux
JavaScript, ECMAScript 6 (ES6)
HTML5, CSS3

Database

Microsoft SQL Server
PostgreSQL

DevOps

Containerization- Docker
Gitlab-CI
Jenkins – CI CD

Other Skills

Microsoft Azure
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

- Software development principles, design patterns, design concepts, SonarQube.
- Best practices SOLID and test-driven development (TDD) and Good problem-solving, analytical skills and troubleshooting aptitude.

Project Details

Partners i2b2 CDI

Client: Mass General Brigham, USA

Role: Full Stack Developer – 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 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 APIs.
- 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 – RDBMS like Microsoft SQL Server, Postgres
- Build & Deployment – Docker, Jenkins, Gitlab-CI, SonarQube, OpenShift.

Patient Identification

Client: Mass General Brigham, USA

Role: Full Stack Developer Java, Spring boot, Microsoft Azure Services, React.js

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, React, code versioning tools GIT/ GitHub

Enhanced Patient Portal

Client: Duke health, USA

Role: UI developer- React, JavaScript, HTML, CSS

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, 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.

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

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

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

MePC Maersk Line

Client - A. P. Moller

Role – Java, Spring Boot, RESTful API, JavaScript

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, HTML and CSS.

Education

- 2012-15 Bachelor of Engineering (B.E.) - Computer 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>
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