

Subrata Ghosh

Senior Software Engineer

Full stack Software Engineer with 8+ years of experience in developing enterprise scale applications in the Java Technology Stack, UI development, with experience in all the phases of SDLC, starting from design and development to deployment and troubleshooting. Resourceful, innovative and quick on the uptake.

- Worked as a full stack developer with experience in all the phases of SDLC, starting from requirements gathering to onshore deployment and support.
- Experienced in Object Oriented Analysis and Design
- Deeply interested in exploring new technologies, developing proof of concept applications to get in-depth knowledge on the areas of exploration
- Actively involved in quickly spinning up proof-of-concepts, as a part of the feasibility study of technology alternatives
- Experienced in swiftly adapting to large teams, picking up multiple simultaneous tasks and coordinating with multiple teams to strive for efficient deliveries

TECHNICAL PROFICIENCY

- **Operating System** - Windows Family, Linux, Mac
- **Languages** - Java, C, C++, Javascript, TypeScript
- **Web UI Technologies** - HTML5, Ajax, JQuery, Bootstrap, CSS3
- **JS Libraries** - React, JQuery, D3
- **Server-side Platform** - node.js, Express
- **Distributed Computing** - RESTful Web Services, JSON
- **Database** - SQLServer, MySQL, PostgreSQL, MongoDB
- **Knowledge Graph Database** - Stardog
- **Java EE Application Servers** - Apache Tomcat
- **Cloud Platforms** - AWS (EC2, S3)
- **ETL Tool** - SnapLogic
- **MDM Platform** - Reltio
- **IDE** - Eclipse, IntelliJ IDEA, NetBeans and Visual Studio Code
- **Build System** - Maven
- **Version Control** - Git
- **Stream Processing Platform** - Apache Kafka

CURRENT PROJECT

- **Full Stack Developer in Platform & Connector Layer** - Product: **KNIMBUS**, India
APRIL 2022 - PRESENT

Functioning as a full stack developer in the Product, Involves mostly in developing Backend API using Spring MVC and integrating the same on the frontend side.

Redesign the existing UI layer of the product with React js from the scratch.

Technology Stack :

Languages : Java

Database: MySQL

Web UI Technologies: HTML5, JavaScript, React

Java EE Application Servers: Jetty

Frameworks: Spring MVC

Cloud Platform: AWS, GCP

Build and Source Code Management: Gradle, npm, Git

Project Management Tools: Jira, Confluence, Google Docs

Role in Project :

- Involved in the brainstorming of the features to be provided in the UI representation.
- Involved in the development and maintenance of features for user interaction and computation as well as corresponding features for Application and Computation Servers.
- Involved in the usage of Rest APIs to communicate frontend with the backend.
- Involved in the development of Backend APIs.
- Redesign the existing UI Layer with the new JS Library (React) in the new product version.

RECENT PROJECTS

- **Full Stack Developer in Platform & Connector Layer** - Product: **DATAROBOT**, US
FEBRUARY 2021 - MARCH 2022

Functioning as a full stack developer in the Platform layer of the Data Preparation and Management side, having both cloud and on-prem offerings. Involves User Authentication and Authorization, an Application Server Component that provides an extensive UI to the user for viewing and

manipulation of data and a robust Computation Server built using Spark that helps in faster processing of data analysis and manipulation queries.

Technology Stack :

Languages : Java

Database: MongoDB

Web UI Technologies: HTML5, JavaScript

Java EE Application Servers: Jetty

Frameworks: Spark, Serverless

Cloud Platform: AWS

Deployment Frameworks: Kubernetes, Docker

Build and Source Code Management: Gradle, npm, Git

Project Management Tools: Jira, Confluence, Google Docs

Role in Project :

- Involved in the brainstorming of the features to be provided in the UI representation.
- Involved in the development and maintenance of features for user interaction and computation as well as corresponding features for Application and Computation Servers.
- Involved in the usage of WebSockets, RestAPIs to communicate frontend with the backend.

● **Full Stack Developer for the Stardog UI Development for *iMiDiA, US***

SEPTEMBER 2020 - JANUARY 2021

The Stardog UI layer consists of a collection of UI components, intended to enhance the usability of Stardog in actual implementations. Currently under development

- Faceted Search
- Hierarchy Management

Technology Stack :

Programming Language: Java, Javascript

Web UI Technologies: HTML5, CSS3, Bootstrap, D3

Framework: Express, React

Server-side Platform: node.js

Knowledge Graph Database: Stardog

Build and Source Code Management: npm, Git

Deployment: AWS EC2

Project Management Tools: Jira, Confluence, Google Docs

Role in Project :

- Involved in the brainstorming of the features to be provided in Faceted Search and the UI representation
 - Primary developer of the entire Faceted Search React application and the REST layer
 - Developed the entire Hierarchy Management PoC
 - Currently working on the Hierarchy Management View layer
- Full Stack Developer of a fraud detection application for iMiDiA, US**
 JUNE 2020 - AUGUST 2020
 Fraud detection application PoC for Ally Bank - highlighting the capabilities of Stardog in the area of anomaly detection.
Technology Stack :
 Programming Language: JavaScript
 Web UI Technologies: HTML5, CSS3, Bootstrap, D3, KeyLines
 Framework: Express, React
 Knowledge Graph Database: Stardog
 Deployment: AWS EC2
 Project Management Tools: Jira, Confluence, Google Docs
Role in Project :
 - Interacting with the onsite team to understand the requirements
 - Designed and developed the dashboard UI along with REST API layer
 - Deployed the application in AWS EC2
- Full Stack Developer of a monitoring dashboard application for iMiDiA, US**
 OCTOBER 2019 - MAY 2020
 Full stack developer of *whistleblower*, a dashboard and monitoring application for ETL pipelines. Apart from monitoring, the application generates reports for different roles, and provides time estimation of the pipeline runtime based on historical data. It also carries out automated log analysis on detection of any exception.
Technology Stack :
 Programming Language: JavaScript, Java
 Platform/Framework: Express, React, Bootstrap
 Integration Technology: SnapLogic
 Database: MySQL, MongoDB
 Deployment: AWS EC2
 Project Management Tools: Jira, Confluence, Google Docs
Role in Project :

- Designed and developed the dashboard UI.
 - Developed the REST API layer.
 - Deployed the application in AWS EC2.
- **Senior Developer in Member Self Services** - *Client: ClubCorp, US*
JANUARY 2018 - SEPTEMBER 2019

Technology Stack :

Programming Language: Java

Framework: Spring, Drools

Build and Source Code Management: Maven, Git

Database: PostgreSQL

Deployment: AWS EC2

Project Management Tools: Jira, Confluence, Google Docs

Role in Project :

- Developed and exposed API to manage workflow from the Mobile App
 - Use Drools integration platform to manage the business rules
 - Design database to support workflows
 - Deployed the application in AWS EC2
- **ETL developer** in integration platform SnapLogic for *iMiDiA, US*
DECEMBER 2016 - DECEMBER 2017

The application dealt with extraction, transformation and load of large volumes of data across different database vendors and centralizing data in MDM Software Reltio. SnapLogic was used for this automation.

Technology Stack :

Programming Language: Javascript, Java

Integration Technology: SnapLogic , SQS

Database: PostgreSQL, Oracle

Project Management Tools: Jira, Confluence, Google Docs

Role in Project :

- Developed pipelines for automation
 - Developed API to manage Contract Documents
 - Design database to support workflows
- **Developer in Logistics Application** - *Client: Innovative Logistics, INDIA*
MARCH 2015 - NOVEMBER 2016

Technology Stack :

Programming Language: Java

Framework: Struts 2.0

Build and Source Code Management: Maven

Database: MSSql Server

Deployment: AWS EC2

Role in Project :

- Developed and exposed API to use Drools integration platform to manage the business rules
- Design database to support workflows
- Deployed the application in AWS EC2

WORKING EXPERIENCE :

Company Name	Year
TwoPiRadian Infotech Pvt Ltd	2016 - PRESENT
Keeves Technologies Private Limited	2015 - 2016

EDUCATION

Bachelor of Technology in Electronics And Communication Engineering

Swami Vivekananda Institute Of Science & Technology, Kolkata

AUGUST 2011 - JULY 2015

PERSONAL INFORMATION:

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