

Iqbal M Ipel

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- **14 years** of experience in Enterprise and distribute system architect, analysis, design, development and implementation of applications including highly scalable system development using **Java, Spring boot, Node.js, Erlang, Redis, Kafka, AWS, React, Cassandra, Hibernate, Gradle, Babel, ASP.NET MVC, WCF, and APIs.**
- Analyzed, designed & developed SOAP service (WCF) and Restful service API using **spring boot, Node & Web API.**
- Developed & executed comprehensive software roadmaps, optimizing portfolio health & alignment with business.
- Work with the cross-functional team (business, DevOps and external parties) to design optimal solutions.
- Design and implement **CI/CD** pipelines to maintain fully automated, highly available releases using **Jenkins/GOCD.**
- Fostered a culture of continuous improvement by mentoring and upskilling developers
- Expert on micro-service-based architecture using **spring boot, node.js, Erlang, Redis, Docker and Kubernetes.**
- Built reusable component based UI using **React & redux.** Experienced in build F/W – **babel and webpack.**
- Contacted a POC in **Redis Pub/Sub** & stored metadata in **Redis** in-memory for caching.
- Built reusable component for UI using **React.** Used **Redux** to handle the app state across multiple components.
- Have hands experience on NoSQL DB like **MongoDB, Redis (In-Memory, caching)** which is used to store Metadata.
- Followed TDD, maintained high level test coverage by writing unit test and API integration test using **mocha & chai.**
- Experienced in working in s/w development process model – agile(scrum) waterfall & iterative.
- Extensive hands on experience in writing Constraints, Indexes, Views, Stored Procedures, Cursors, Triggers.
- Experienced in implementing Factory, Singleton, Facade, Observer, Strategy, State & Command & DI (IoC).

Languages	Java, JavaScript (Node, React and Angular), Erlang, C#.Net & C++
Web Services ,F/W & Technologies	Spring Boot, Spring MVC, Hibernate, JPA, Spring DATA, AWS, MERN Stack, Node, React, Angular.js, Superset, mocha, chai, ASP.Net MVC, WebAPI, IoC & Unit of Work, Repository , Kubernetes & Docker
Databases	Cassandra, Oracle, MySQL, MongoDB, SQL Server (Transactional & OLAP) DB2, SQLite
DevOps Tool	Bitbucket, GitHub, Gitlab, JIRA, Jenkins, Team Foundation server, Tortoise SVN & VSS
Design Pattern	Factory, Singleton, Facade, Proxy, Composite, Observer, Strategy, State & Command
OOAD Principle	SRP, LSP, OCP, IS, DI, P2I, P2C, DRY and Composition over Inheritance

EDUCATION

Master of Science in Computer Science.

Year: 2016

Maharishi University of Management. Fairfield, IA, USA

Lead Software Enginner/Software Architect.

• July 2021- Present

Lowe's, Charlotte, NC, USA

- Working in an agile team to develop a highly scalable cloud-based Platform as a Service system with **micro-services** architecture using **Node.JS, JAVA spring boot, Erlang, Redis, AWS, Kafka, React, Cassandra, MySQL & Oracle.**
- Architected and delivered complex enterprise software solutions by leading high-performing engineering teams.
- Developed & executed comprehensive software roadmaps, optimizing portfolio health & alignment with business.
- Ensured successful project delivery through rigorous oversight of implementation, maintenance, and integration.
- Communicated technical details to leadership, driving product prioritization.
- Fostered a culture of continuous improvement by mentoring and upskilling developers.
- Spearheaded engineering hiring efforts, conducting technical interviews to build high-performing teams.
- Ensured code quality & architectural soundness through rigorous reviews and hands-on development.
- Design and implement **CI/CD** pipelines to maintain fully automated, highly available releases using **Jenkins/GOCD.**

Senior Full Stack Software Engineer (Backend Lead)

• Jan 2020- July 2021

Mckinsey & Company, Waltham, MA, USA

- Working in an agile team to develop a highly scalable cloud-based Platform as a Service system with **micro-services** architecture using **Node.JS, JAVA spring boot, Erlang, Redis, AWS, Kafka, React, Cassandra, MySQL & Oracle.**
- Worked with business teams & dev teams in order to lead the product development and architecture vision.
- Design and implement **CI/CD** pipelines to maintain fully automated, highly available releases using **Jenkins/GOCD.**
- Architected **micro-service & AWS based** architecture using **Node, Erlang, Spring boot, AWS, Docker & Kubernetes.**
- Mentor, supervise & review developer codes & setting up the development strategies for the team.
- Work with the cross-functional team (**Business, DevOps** and external parties) to design optimal solutions.

Senior Software Engineer (Lead) (Client: Verizon)

• April 2018- Jan, 2020

Pyramid Consulting Inc., NJ, USA

- Working in an agile team in 2 weeks sprint to develop highly scalable cloud-based Platform as a Service system with **micro-services** architecture using **Java Spring, Node, Kafka, Erlang, Redis, AWS, React, Cassandra & Oracle**.
- Architected **micro-service and AWS based** architecture using **Node, Erlang, Spring boot, AWS and Docker**.
- Experienced in **JWT based authentication** and **OAuth2** based social login for APIs using **Passport.js**.
- Did a POC in **Redis Pub/Sub** & stored metadata in **Redis** in-memory for caching. Implemented them to scale system.
- Used **corn.js** to schedule a job to run for certain time interval. Built reusable component for UI using **React & Redux**.
- Used **Cassandra** for storing metadata as platform is metadata driven and **Oracle** system of record (SOR) data.
- Maintained high level test coverage by writing unit test and API integration test using **Nyc, Superset, Mocha & chai**.

Application Developer

• June 2016- April, 2018

ADP Technology Services Inc., NY, USA

- Worked with agile team in 2 weeks sprint to develop cloud-based Platform as a Service system with **micro-services** architecture using **Java Spring boot, Node.JS (MERN stack), React.JS, Kafka, MongoDB & MYSQL & Docker**.
- Experienced in **JWT based authentication** and **OAuth2** based social-login for APIs using **Passport.js**.
- Used **Redis** for storing metadata in-memory for caching and faster search on objects and lego.
- Built reusable component for UI using **React**. Used **Redux** to handle the app state across multiple components.
- Used **MongoDB** for storing metadata as platform is metadata driven and **MySQL** for system of record (SOR) data.
- Maintained high level test coverage by writing unit tests and API integration tests using **Superset, Mocha and chai**.
- Used Atlassian product **Jira, Bitbucket, confluence** for issue tracking, release management, code review, documentation, **Jenkin** for continuous integration, **babel, gulf and webpack** for build package.

Software Engineer

• August 2015- June, 2016

American Express Global Business Travel, Phoenix, USA

- Developed different modules [user, authentication & authorization etc.] for **RESTful API with Node & express**.
- Developed components for authentication and authorization module for the Billing Application using **react** and used **Redux** to handle the application state across multiple components.
- Used **MYSQL** database and **Sequelize** as **ORM** framework for object modeling and query building.
- Used **Passport** for **token-based** authentication for the login (Single Sign On).
- Used postman chromo extension, chromo developer tool to debug rest API, HTTP requests and responses.

Senior Software Engineer

• November 2012- May 2014

Jijoty Inc, Offshore in Dhaka

- Actively involved 3E B2B integration which is used to import/export heterogeneous platform & services.
- Involved in designing, coding, testing, and maintenance 3E framework, performance engineering & SETools app.
- Designed and developed web application using C#, ASP.NET MVC with Razor engine, Entity F/W, TFS API & SSRS. Build interactive UI using Bootstrap, HTML, **angular** and **jQuery**. Developed Restful service using WEB API.
- Implemented dependency injection, to ensure inversion of control using unity container.
- Wrote MDX query to create SSRS data set and created bar chart, pie chart with SS cube data & SSIS.
- Implemented design pattern, OOAD principle, followed TDD, Scrum, iterative & prototype process model.

Software Engineer

• May 2012- November 2012

Leads Corporation Limited, Dhaka, Bangladesh

- Designed and developed an extensively large core banking application using C#, ASP.NET MVC, ADO.Net, Crystal Report, Oracle 10g, TFS for release and source control. Designed interactive UI using Bootstrap, JavaScript and JQuery.
- Developed WCF – Restful / SOAP services for banking business layer. Implement façade design pattern as wrapper of third party component like API. Implemented dependency injection, to ensure inversion of control using unity container.
- Created stored procedures, triggers, and function and wrote migration script SQL Server 2008.
- Implemented design pattern and OOAD and created test case to perform unit test as followed TDD.

CERTIFICATIONS

Oracle Database SQL Expert: #OC1221414 • Oracle Database 10g Administration: #OC1221414