

MUHAMMAD HASSNAIN BARKAT

Islamabad, Pakistan

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Technical Skills

Languages: Java, SQL, Python, HTML, CSS, JavaScript, Groovy

Technologies/Frameworks: Spring Boot, Kafka, ELK Stack, Rancher, Jenkins, Docker, JIRA, Kubernetes, Git, REST & SOAP API

System Integration: Workday, People Portal, Coupa, Oracle Fusion, SAP

Experience

Systems Limited/Telenor Global Shared Service

Nov 2021 – Current

Junior Consultant - Integration Framework (Software Engineer I)

Islamabad, Pakistan

- **Product Owner** of User Integrations which includes 20+ Target Systems.
- **Improved** the architecture of Supplier Integration with Oracle, which decreased the processing time by up to 4x.
- **Helped** the company to onboard new Business Units for Coupa and Oracle Integration.
- **Standardized** the logging to help monitor the transactions and correct the count of transactions. Which resulted in the correct division of infrastructure's cost between customers and reduced the issue tracking time of the operational team. This improved customer satisfaction.
- **Developed** monitoring and alert system of File Transfer Service to improve customer satisfaction.

CareCloud, Inc

Nov 2020 – Oct 2021

Junior Data Scientist (AI Developer)

Islamabad, Pakistan

- **Led** the requirement gathering, backend development of product **TalkCheckIn** used by 100k+ users on daily basis.
- **Developed** an AI assisted solution to smooth the enrollment process, which reduced the onboarding process of employee by 3x.
- **Developed** work hours checking application as a part of training. It is so famous, almost 90 percent employees still uses it instead of employee portal.

TeReSol, Pvt Ltd

Sep 2020 – Oct 2020

Software Design Engineer

Islamabad, Pakistan

- **Developed** an application for manager to assign daily work to employee.

Projects

Worker/Employee Integration @ Systems Limited | Java, MySQL, Spring Batch, Spring Boot, Kafka **Apr 2022 - Current**

* In Worker Integration, Workday act as Source System and there are more then 20 target systems at which Worker Integration sends and keep syncing data between them.

- **Working** on Integration between Workday, Coupa And Oracle Fusion to sync workers, organizations, departments, positions and roles.
- **Developed** Integration between Workday And People Portal that includes Profile Management with custom roles, Job Requisition creation, and Hire Request Processing.
- **Improved** the existing integration by replacing redundant services with generic service. **Template Method** was used to define the user processing algorithm and **Factory Method** was used to select the user processing service by User Business Unit.
- **Designed** file transfer notification system. It currently supports successfully, failure, empty file and no file transfer alert. And it is easily extendable for new type of notification.

S-ERP @ Systems Limited | Java, Maria DB, Spring Boot, Jenkins, Rancher, Coupa, Oracle Fusion **Nov 2021 - July 2022**

* S-ERP is Enterprise Resource Planning Hub. The goal was to automate the process of resources (Suppliers, Invoices, Items) synchronization between different systems i.e. Coupa, SAP, Oracle Fusion.

- **Led** the team to extend the Worker, Supplier, Invoices and COA integration between Coupa, Oracle Fusion and Workday.
- **Designed** Worker/Employee Integration between Workday, Coupa And Oracle Fusion
- **Designed** a service to fetch the unprocessed supplier form from Coupa and store them in the database through data service and share the id to the service responsible for Coupa To Oracle ERP Employee Conversion.

- **Developed** a service to receive suppliers from Kafka, and map the suppliers according to Oracle Fusion requirements.
- **Implemented** Logging through ELK stack for debugging and monitoring of supplier integration.
- **Deployed** the services through Jenkins pipeline at Kubernetes cluster hosted at cloud(AWS).

TalkCheckIn @ CareCloud | Java, MySQL, Mongo DB, Spring Boot

Mar 2021 - Nov 2021

* TalkCheckIn is an AI-assisted application to help patients by using the free time before appointment and help provider to fetch as much information as they can.

- **Developed** a service to verify the appointment through URL, sent to the patient before the appointment.
- **Developed** a service to help patient create/update, personal, insurance records, medical history, family history, and provider-specific information.
- **Developed** service to create initial statement/feedback of symptoms based on the information provided by the patient.

Employee Enrollment @ CareCloud | Java, MySQL, Spring Boot

Nov 2020 - Mar 2021

* TalkCheckIn is an AI-assisted application to help the HR team in enrollment of employment at the Check-In/Check-Out terminals. By using this system HR team was able to reduced the onboarding process by 3x.

- **Developed** a service to fetch the newly created employee record from Global Employee Portal.
- **Developed** a service to extract the face from employee image and convert the face according to terminals requirement without impacting aspect ratio .
- **Developed** a service in to register faces at different terminals.
- **Deployed** the services at in house servers.

WorkLog @ TeReSol | Java, MySQL, Spring Boot, Vue Js

Oct 2020 - Nov 2020

* Teams were reviewing a legacy code to extract business logic. Through worklog a manager can assign work to a team and monitor their progress.

- Developed monolith application in spring boot for the manager to assign work, and monitor progress.
- Extended the application by adding functionality for teams to update the status of their work.
- Developed front in Vue Js to utilize the Rest API.
- Deployed the service in a dockerized environment.

Education

National University of Computer and Emerging Sciences (NUCES)

Aug. 2016 - July 2020

Bachelor of Science in Computer Science

Islamabad, Pakistan

Language

English : Professional Level

Urdu : Native

Achievements

Star of the Quarter

Q2-2022

Employee Recognition

Systems Limited

- Received reward for delivering high quality product S-ERP within limited time.

Speed Programming

2019

Participant

NUCES

- Runner up of a university level speed programming competition.

NesCon

2018

Officer at Battle of Brain

NUCES

- Part of Team who organized a national level coding competition at NasCon.

Certificate

Spring Boot Microservices and Spring Cloud

Vue - The Complete Guide (incl. Router and Composition API)