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ZEB UR REHMAN

SENIOR SOFTWARE ENGINEER / LEAD

Skills, Tools & Technologies

Technologies:

- Java, Spring Boot, Quarkus
- SpringWeb, Spring Batch, Spring Security
- Spring JPA/ Hibernate
- JUnit/ JAssert
- Mockito
- Nodejs, ExpressJs
- Javascript, TypeScript(ES6)
- ReactJS, Angular, Vue.js, AngularJS
- RDMS (PostgreSQL, MySQL, PLSQL (Oracle))
- Restful API/Web Apps
- Version Control System
- ORM
- Dockers for Window/Linux
- Microservices Development
- CI/CD Pipeline

Tools:

- AWS/ Azure Services
- JIRA, Youtrack, Confluence
- Teamcity, Jenkins
- Nginx
- Workbench, DBeaver
- Redis
- HashiCorp Vault
- Git
- Linux (Ubuntu, Debian)
- Kafka
- Postman
- SonarQube
- ELK Stack

Professional Summary:

Senior Full Stack Engineer with **14+ years** building scalable enterprise solutions across **FinTech, Healthcare, Property**, and **Transport** sectors. Expert in **Java/Spring Boot** microservices architecture and modern **frontend** frameworks (**React, Angular, Vue**). Proven track record leading offshore teams, implementing CI/CD pipelines, and delivering cloud-native applications on AWS/Azure. Strong focus on security, performance optimization, and Agile methodologies.

- Skilled in architecting **scalable, maintainable** and **secure** applications tailored to business requirements.
- Proficient in developing **RESTful services** using **Java(8, 11, 17, 21)** Spring Boot and **Node.js**.
- Extensive experience in the **designing, developing, debugging**, and **deploying** applications.
- Proven ability to **manage large-scale** applications.
- Competent in **database design** and **optimization**.
- Experienced in **developing** and **integrating** RESTful services and 3rd-party solutions.
- Adept at **leading mid-sized offshore teams** to **deliver** client solutions.
- Skilled in utilizing **containerization technologies** such as **Docker** for efficient application deployment and management.
- Proficient in leveraging cloud platforms, including **Azure** and **AWS**, for scalable and resilient applications especially utilizing them for **microservices architecture**.
- A collaborative **team player** with strong **troubleshooting skills**, focused on **delivering well-researched, cost-effective**, and **responsive solutions**.

Experience:

IPC (Jan 2025 - PRESENT) - Brussels, BELGIUM

International Postal Corporation facilitates cross-border mail exchange between postal operators worldwide. The platform enables secure interchange transmission and reference data management for routing and processing decisions across the global postal network.

- **Designed and implemented AS2-based** interchange solution using Mendelson library and Spring Boot, enabling secure B2B communication between postal operators as an alternative to legacy SFTP transfers, supporting encryption and digital signing protocols.
- **Developed full-stack reference data management system** with React and TypeScript frontend, enabling internal teams to configure and maintain routing rules and interchange flow logic for postal operator integrations.
- **Developed REST APIs for the reference data management platform** using Spring Boot 6, following an OpenAPI specification-first approach with openapi-generator-maven-plugin to automatically generate API contracts, models, and interfaces, ensuring consistency between frontend and backend implementations.
- **Built modern React application using TypeScript**, React-Hook-Form, Material UI, and TanStack Query, providing an intuitive interface for managing reference data that drives interchange routing decisions.
- **Collaborate within an Agile team of 5 developers**, participating in sprint planning, daily stand-ups, and retrospectives to deliver features iteratively using GitLab for version control and JIRA for project tracking.

Tools and Technologies Used: Java 21, Spring Boot 6, Hibernate, TypeScript, React, React-Hook-Form, Material UI, TanStack Query, GitLab, JIRA, Confluence, Maven

TELEVIC (JAN 2024 - DEC 2024) - KORTRIJK, BELGIUM

The solution consists of Passenger information systems providing real-time updates via displays and announcements, enhancing the passenger experience. Onboard communication systems enable efficient crew communication and data transmission. Condition monitoring technology continuously assesses train performance to ensure safety and reliability. Integrated train control solutions manage and control train operations effectively.

- **Developed integration services** for the rail's central unit, ensuring **seamless communication** between various system components.

Soft Skills

- Agile/Scrum Development
- Team Management
- Client Communication/ Handling
- Training and Supervision
- Problem Solving
- UML/BPMN Diagrams
- Good Interpersonal skills
- Leadership
- Writing FS/ RS Documentation
- Attention to Details

Technical Skills

- Design Patterns
- Software Architecture (Microservices Development)
- Data Structure & Algorithms
- OAuth, OpenID Connect
- Cloud Service(AWS, Azure)
- SOLID/ DRY Principles
- TDD/ DDD
- OWASP
- OpenAPI Specification (OAS)
- Internet Protocols (HTTP(s), TCP/IP, TLS etc)
- Object Oriented Programing/ OOAD
- Design Patterns
- Architecting Applications

Education

BS Computer Science (2008-2012)

- Air University Islamabad, Pakistan
- Introduction to Programing, Object-Oriented Programming, Data Structure, Algorithms, Advance Database

- Provided **technical insights** and resolved impediments during project development, fostering a **collaborative and efficient work environment**.
- Enhanced the UI for the updater application, **improving user experience** and **interface responsiveness**.
- Collaborated with the DevOps team to enhance the Jenkins pipeline for Maven builds and ensured test coverage was maintained at 90% for SonarQube gates.

Tools and Technologies Used: *Reactive Java 21, Quarkus, SpringBoot 3, Reactive Hibernate, JPA, JUnit, Mockito, Angular17, JavaScript, TypeScript, MetrailUI, RabbitMQ, Git, Maven, JavaFX, Docker, Linux (Debian, Ubuntu), Git, JIRA, Confluence, SonarQube, HashiCorp Vault*

HYFEN (JULY 2023 - DEC 2023) - BRUSSELS / AMSTERDAM, BE/NL

Ruler is a comprehensive compliance software designed to help organizations, in the financial sector, manage their legal, risk, and compliance processes. Ruler provides tools such as Ruler Original, Ruler Regulatory Change, and Ruler Risk Assessment to simplify the complexities of adhering to constantly changing laws and regulations.

- **Led and managed Agile processes**, including regular **sprint planning**, **backlog refinement**, reviews, daily stand-ups, and retrospectives, fostering continuous improvement..
- **Collaborated** closely with the **client** to discuss requirements, **set roadmaps**, and **manage expectations**, ensuring successful **delivery of solutions** aligned with business goals.
- **Implemented** robust **security measures** in applications, ensuring compliance with industry standards and safeguarding sensitive data.
- Developed and deployed new features to **enhance application functionality**, contributing to **improved user experience** and system performance.
- **Streamlined development processes** by implementing **Agile methodologies**, resulting in **faster delivery cycles** and **increased team agility**.
- **Prioritized** and **managed** actionable items, **coordinating** with team members to ensure **timely completion** of tasks and milestones.
- **Provided technical guidance** and mentorship to **junior developers**, fostering a culture of continuous learning and improvement.

Tools and Technologies Used: *Java 17, Quarkus, , JPA, ORM (Hibernate), JUnit, Mockito, Maven, ReactJS, NextJs, Redux, Maven, Docker, Version Control System (Git), Azure, JIRA, Confluence, MSSQL, Nginx, DBeaver, SonarQube, Postman, ElasticSearch, OpenAPI Specifications (Swagger UI), Postman, RabbitMQ*

AFINITY SOLUTIONS (JUNE 2021 - MAY 2023) - PAKISTAN

The configuration service allows various services to define and store dynamic configurations and associated data. It supports real-time updates via a PubSub service using TCP/IP, ensuring services can listen to configuration changes instantly. A JSON-based dynamic schema is used to manage these configurations. Additionally, the service is designed to handle high traffic and large volumes of data efficiently.

- **Led software development** and **architectural design**, ensuring alignment with client requirements and **industry best practices**.
- **Coordinated** with internal teams to gather requirements, **define project scope**, and implement features, ensuring successful project delivery.
- **Managed the team** to implement discussed features, providing **technical guidance** and ensuring adherence to project timelines.
- **Analyzed** user needs and software requirements to **determine** the feasibility of design within time and cost constraints, optimizing resource allocation.
- Modified existing software to fix bugs, **improve performance**, and **enhance user experience**, resulting in more stable and efficient applications.
- **Collaborated** with QA teams to define test methods and ensure high-quality software delivery, **coordinating** closely to resolve any issues.
- Oversaw release management, ensuring smooth and timely deployment of updates and new features to production environments.

Tools and Technologies Used: *Java 17, Spring Boot 2, Spring Rest, Spring Batch JPA, Hibernate, JUnit, Mockito, Maven, TypeScript, JavaScript, React.js, Next.js, Redux, Docker, Version Control System (Git), JIRA, Confluence, Jenkins, Keycloak, Nginx, Linux (Ubuntu), Workbench, DBeaver, SonarQube, Postman, Kafka*

STRATEGIC SYSTEMS INTERNATIONAL (OCT 2015 – MAY2021) - PAKISTAN

This company was Software House, so I worked on multiple projects, details of each project is available below. During this experience I performed following responsibilities:

- Actively involved in software development and architecture of multiple projects.
- **Manage** and **handle** direct **client communication** on multiple projects.
- **Supervised** and **trained** team members on multiple technologies.
- Coordinate with the QA and development team.
- **Facilitate** QA Engineer for determining test methods for each developed component.
- **Design** applications to keep them **scalable, robust**, easy to understand, **reusable**, and **low modular** complexity.
- **Work closely** with clients during the development cycle to make sure that the proposed design meets customer requirements.
- Coordination between multiple teams, Client and responsible for release management.

ColumnCase (June 2020 - May 2021)

- Column is a web based case management software solution for managing investigations.
- Added new OAuth authentication flows for OKTA and Azure.
- Improved overall performance and structure of RestFul service built using Spring Boot.
- Setup Workflow engine to set up the configurable workflows for different case types.

Java 11, SpringBoot 2, JPA, ORM (Hibernate), junit, Mockito, Maven, Typescript, JavaScript, ES6, Angular 14, RDBMS(PostgreSQL), Version Control System (Git), OAuth2, OpenID connect, OpenAPI Specifications (Swagger UI), Azure, Jenkins, Docker, ElasticSearch, Nginx, RabbitMQ, IntelliJ Idea, Postman, ELK for Monitoring, CentOS, JIRA, Confluence

Hummingbird (Nov 2019 - May 2020)

- Facilitates the property owners(Self Storage) to manage the properties, units, clients, their billings, and much more.
- Designed and architect multiple components to run it in a microservices environment.
- Resiliency application and complete integration tests for the business domain.
- As a team lead released this product for more than 25 clients.

Node.js, Express.js, Typescript, JavaScript, ES6, Vue.js, ORM (Node-MySQL), RDBMS(MySQL), Version Control System (Git), OpenAPI Specifications (Swagger UI), Kafka, Nginx, VS Code, JIRA, Confluence, SonarQube, Docker, Twilio, PandaDocs, Redis, AWS, Postman

Social Impact Bond (July 2017 - Oct 2019)

- Healthcare-based system to connect insurance companies with Healthcare providers.
- Designed scalable and robust services, consumed by frontend Vue applications.
- Successfully delivered application with agreed-upon design in given time.

Java 8, JSP, JUnit, Mockito, Maven, JPA, ORM(Hibernate), RDBMS (PLSQL), JavaScript, Typescript, ES6, Angular 7, Version Control System(Git), OpenId Connect/ OAuth, Jenkins, RabbitMQ, Nginx, IntelliJIdea, SonarQube, Twilio, Azure, Recurly (Payment Integration)

HDADM (Oct 2016 - June 2017)

- Marketing research-specific complaint management system tool that is being used for customer queries as well as a complete lifecycle of a complaint management system.
- Delivered an application that can manage direct calls and client query management.

Java 8, JavaFX, junit, Mockito, Maven, RDBMS (PostgreSQL), Version Control System(Git), RDBMS (PostgreSQL), IntelliJ Idea, JIRA, Confluence, SonarQube

PosAlert/Shopper Insight Monitor (Nov 2015 - Sep 2016)

- Market monitoring application to assess market potential, weekly based on raw data.
- Improved application performance significantly.
- Responsible for code reviews and merging pull requests.

JavaScript, ES6, Node.js, Express.js, Angular.js, RDBMS (MySQL), Git, Restful Web Service, OpenAPI Specification (Swagger), VS Code, Postman

NETSOL TECHNOLOGIES (MAR 2013 – SEP 2015) - PAKISTAN

A powerful, seamless, and efficient system for automobile leasing supports asset-based financing. Responsibilities included writing functional and requirement specifications as per client needs, creating documentation, implementing user stories, and managing project shipments to clients

- Responsible for **development** of different modules for Credit Application Processing System.
- **Managed project shipment** to clients.
- Worked as **Release Manager/Team Lead** for the development team.
- Worked for maintenance of major projects.

Responsible for **code review** of team members.

Tools and Technologies Used: C#.Net 4.0, ASP.Net 2.0 to 4.0, Web Forms, JavaScript & JQuery, ES6, AJAX/Callback, MS Messaging Queue, Toad for Oracle, UML, Oracle 11g, JIRA, Functional Specifications & Requirement Specifications

CIRIN PHARMACEUTICALS (JUNE 2012 – FEB 2013) - PAKISTAN

An ERP system manages internal business processes such as Field Force Management, Supply Chain Management, and Inventory Management. It supports integration and customization of third-party components, including Telerik MVC and 960gs frameworks.

- Development of various modules of ERP systems that include Field Force Management, Supply Chain Management & Inventory Management System modules.
- **Integration and customization of third-party components.**
- **Optimized** the **performance** of the application and refactored its code/design.
- Actively involved in **analysis**, domain discussion, and **development** of new requirements from the client.

Tools and Technologies Used: C#, ASP.Net MVC, .Net framework, Entity Framework, JavaScript & JQuery, ES6, AJAX/Callback, Telerik MVC Controls, SQL Server 2008, 9, BootStrap