IRVAN FAHREZA

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EDUCATION

Sriwijaya University

Bachelor degree of Computer Engineering: GPA 3.50

Palembang, Indonesia

August 2017-August 2021

SKILL SUMMARY

- **Languages :** Java (8/11/17), SQL (Oracle & MS SQL), C#, PHP, HTML5, CSS3.
- **Frameworks & Architectures:** Microservices, Spring Boot, Angular, CodeIgniter 4, .NET.
- **Tools and Platforms :** Oracle Database, Microsoft SQL Server, Bitbucket (Git), Jenkins (CI/CD), Checkmarx (SAST), Postman, Jira.
- **IDEs :** Eclipse IDE, Visual Studio Code, Visual Studio 2022.

WORK EXPERIENCE

Fullstack Developer

March 2023 - Present

- Created web-based applications with a secure client-server architecture using Java, ASP .NET, and PHP.
- Developed and managed Microservices-based applications, handling multiple repositories with various technology lifecycles.
- Developed custom web solutions using the latest stack, including Angular.
- Modernized backend systems by upgrading Java versions from 11 to 17 to improve performance and maintainability.
- Managed application deployments through Jenkins CI/CD pipelines, ensuring consistent delivery across development and production environments.
- Collaborated with product owners and stakeholders on designing and developing web-based applications.
- Implemented automated security scanning using Checkmarx (SAST) to ensure data protection and regulatory compliance.
- Wrote both client-side and server-side code, including server-side APIs and persistent data storage using Oracle and Microsoft SQL Server.
- Developed and implemented responsive front-end designs, resulting in improved user experience.
- Collaborated with cross-functional teams to integrate various APIs and optimize server-side functionality.

PROJECTS

SIKAP (Sistem Informasi Pengelolaan Kepatuhan)

Mar 2023 - May 2023

BPJS Kesehatan Pusat

- Web-based system application for the employee compliance risk identification process at BPJS Kesehatan which has CRUD and other features.
- Provide the API from the backend and integrate the data for consumption on the frontend side.
- Collaborated with the application testing team (Quality Assurance) to ensure that the platform meets the company's standards for performance and reliability.

Referensi Online pada Fitur Satuan Kerja (RefSatKer)

June 2023 - July 2023

BPJS Kesehatan Pusat

- A web-based application system for managing Work Units at BPJS Kesehatan.
- There are 3 roles, namely central admin, branch admin, and user.
- The user sends data along with the work unit and the admin can approve or reject the data sent from the user.
- Provide the API from the backend and integrate the data for consumption on the frontend side.
- Collaborated with the application testing team (Quality Assurance) to ensure that the platform meets the company's standards for performance and reliability.

Diamond (Digital Asesmen Online and Hybrid)

Sep 2023 - Dec 2023

BPJS Kesehatan Pusat

- A web-based application system for creating documentation of competency certification activities.
- There are six roles in this application.
- The user sends data along with the work unit and the admin can approve or reject the data sent from the user.
- Integrating data from an API to consume on the frontend side.
- Collaborated with the application testing team (Quality Assurance) to ensure that the platform meets the company's standards for performance and reliability.

DIANSIPINTER (Direktori Inovasi Dan Aset Pengetahuan, Sistem Pembelajaran Terintegrasi) Jan 2024 - Apr 2024
BPJS Kesehatan Pusat
- A web-based application system for competency certification activities.
- Provide the API from the backend and integrate the data for consumption on the frontend side.
- Analyzed and optimized bottlenecks that occur in the back-end side, such as database queries that are replaced with 10+ stored procedures to improve responsiveness.
- Collaborated with the application testing team (Quality Assurance) to ensure that the platform meets the company's standards for performance and reliability.

DIAN (Direktori Inovasi dan Aset Pengetahuan) May 2024
BPJS Kesehatan Pusat
- Web-based system application for submitting ideas and innovations in BPJS Kesehatan which has CRUD features and other features.
- Provide the API from the backend and integrate the data for consumption on the frontend side.
- Collaborated with the application testing team (Quality Assurance) to ensure that the platform meets the company's standards for performance and reliability

Healthkathon June 2024
BPJS Kesehatan Pusat
- A web-based system application that opens competitions to the public, both students and the general public that have CRUD features and other features.
- The competition is opened in 3 categories at once, namely the Security, Innovation System, and Artificial Intelligence categories.
- Integrating data from an API to consume on the frontend side.
- Collaborated with the application testing team (Quality Assurance) to ensure that the platform meets the company's standards for performance and reliability

Energy Market Company (EMC) Aug 2024 - Present
PT Cxrus Solution Indonesia
- A mission-critical energy trading and settlement platform for the Energy Market Company (EMC) Singapore that facilitates 24/7 wholesale electricity transactions.
- Developed and maintained a Microservices-based architecture, managing multiple repositories with different technology lifecycles, including legacy services in Java 8 and modern services upgraded from Java 11 to 17.
- Built and enhanced fullstack features using Java Spring Boot and Angular, focusing on complex business logic for market settlement and real-time data visualization.
- Managed high-volume transactional data using Oracle Database, ensuring the accuracy and integrity of market clearing and price calculations.
- Ensured high security standards by performing regular code vulnerability scans using Checkmarx (SAST) to comply with national regulatory requirements for critical infrastructure.
- Managed application deployments using Jenkins CI/CD pipelines, ensuring a streamlined and automated delivery process across different environments.
- Collaborated within an Agile environment using Bitbucket for version control and Jira to coordinate tasks, system updates, and cross-service integrations.