

# Waqar Ul Khaf

Senior Software Engineer

Lahore, Pakistan |  [wagarulkhaf995@gmail.com](mailto:wagarulkhaf995@gmail.com) |  [github](#) |  [stackoverflow](#)

## Objective

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**Senior Software Engineer** with over 6 years of experience specializing in **software architecture, design, and full-stack development**. Adept at creating scalable and efficient software solutions, with a strong command of both front-end and back-end technologies. Proven ability to lead projects, collaborate with cross-functional teams, and drive innovation to deliver impactful results. Passionate about leveraging technical expertise to solve complex challenges and contribute to business growth through thoughtful software design and architecture.

## Experience

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**GoSaaS Inc.**

July 2019-Present

### Integration Specialist:

- Spearheaded an integration team dedicated to seamlessly connecting Oracle Fusion Cloud applications (HCM, ERP, Agile PLM) with diverse large-scale industrial software systems (e.g., Oracle EBS, NetSuite).
- Designed and developed robust integrations, ensuring efficient data flow and process automation between disparate systems.
- Leveraged expertise in Oracle Fusion Cloud architecture and integration tools to overcome complex technical challenges and deliver successful projects.

### Product Development Engineer:

- Contributed to the development and enhancement of multiple company-owned products, showcasing versatility and adaptability.
- Collaborated on the product "Archiver portal", streamlining data management and access.
- Participated in the "PRODUCT-ENGINEERING-COLLABORATION" project, providing a version control solution akin to Git for design tools (AutoCAD, SolidWorks).
- Worked on "Go-Compliance" an environmental compliance platform integrated with Oracle Fusion Product Development Cloud, catering to the manufacturing sector.

### Data Migration and ETL Specialist:

- Developed and implemented ETL (Extract, Transform, Load) processes to facilitate smooth data migration from Agile PLM to Oracle's modern cloud-based solutions.
- Ensured data integrity and accuracy throughout the migration process, meticulously validating and transforming data to meet the new system's requirements.

### E-commerce Application Developer:

- Contributed to the development of "getvela.com," an e-commerce platform enabling centralized management of multiple online stores (Shopify, Etsy, eBay). Implemented features for efficient bulk operations (product uploads, price changes, store cloning, variant management, image uploads) empowering merchants to streamline their workflows.
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**CreativeMorph**

Nov 2018-July 2019

### Software Engineer (Full Stack developer):

- Designed and developed frontend components using React, HTML, CSS, and JavaScript, creating interactive and user-friendly web interfaces.
- Built robust and scalable backend systems leveraging Google Cloud Functions and GraphQL, ensuring efficient

data management and API interactions.

- Optimized web applications for performance, implementing techniques such as lazy loading to improve page load times and enhance the user experience.

## Alfoze Technologies

July 2018-Nov 2019

### Associate Software Engineer:

- Collaborated with senior software engineers to gather and analyze requirements from end users, ensuring a clear understanding of project needs.
- Prepared comprehensive documentation, including functional specifications, user stories, and technical design documents.
- Gained expertise in database schema design, creating efficient and scalable data models based on application requirements.
- Translated design mockups into functional web pages, utilizing HTML, CSS, JavaScript, and jQuery to create visually appealing and interactive user interfaces.

## Certifications

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- AWS Certified Cloud Practitioner
- AWS Certified Developer – Associate

## Education

## Years

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### Bachelors of Software Engineering (BESE)

2014- 2018

National University of Science and Technology (NUST) Islamabad, Pakistan

### FSC (Pre-Engineering)

2012 - 2014

Punjab Group of Colleges Faisalabad, Pakistan

## Projects

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### getvela.com | NodeJS, React, AWS SQS, postgres, Docker, AWS Secret Manager

Developed and maintained the getvela.com platform

- **Full-Stack Development:** Built and maintained React frontends, designed and implemented Node.js backends (APIs, queue-based workers).
- **As Shopify Integration Specialist:** Focused on seamless Shopify integration, troubleshooting and ensuring smooth data flow.
- **Bug Fixes & Feature Enhancements:** Actively resolved issues and added new features based on user feedback and requirements.
- **Performance Monitoring:** Developed "Velawatch" utility for monitoring system health and identifying bottlenecks.
- **Deployment & Infrastructure:** Streamlined deployment processes with Docker and Docker Compose configurations and implemented CI/CD with AWS codepipeline.

### **GO-Archiver** | *NodeJS, React, OJet, MongoDB, Elastic Search*

Developed and maintained go-archiver a product related to storing and maintaining your historical data from oracle cloud

- Worked as full stack developer to implement new features and fix bugs
- Implemented integration with oracle product development cloud.
- Implemented elastic search to easily navigate to documents of concern.

### **Go-CAD** | *NodeJS, postgres, electron, .NET, Java, React, redux, Docker*

GoSaaS Cloud Vault is a file storage vault that works with CAD solutions. It maintains the versions of files. Oracle Product Lifecycle Management Cloud consolidates product innovation, development & commercialization on a fully connected platform. The integration between both systems allows for the synchronization of objects to increase productivity by reducing delays and time to market.

- Developed and maintained the frontend of Go-CAD using Electron, ensuring a seamless user experience across different operating systems.
- Designed and implemented robust database tables to efficiently store and manage Go-CAD's data.
- Developed and maintained APIs to facilitate communication between different components of Go-CAD.
- Built adapters to integrate Go-CAD with Oracle PLM Cloud, enabling data synchronization and streamlining product lifecycle management processes

### **GS-Migrator** | *Nest.js, React, BullMQ, Oracle Database, Stored procedures, Soap webservices*

GS-Migrator is an ETL tool designed to streamline data migration from Oracle Agile PLM to Oracle Fusion PLM. It leverages stored procedures to extract data, performs filtering, transformation, and validation, generates FBDI and import maps, and ultimately loads data into Oracle Fusion Cloud PLM.

- Contributed to frontend development using React, Redux, and Material UI, creating an intuitive and user-friendly interface to monitor and manage data migration tasks.
- Designed and developed the backend using NestJS, implementing queues and workers to handle long-running data extraction, transformation, and loading tasks efficiently.
- Integrated Oracle Fusion APIs to seamlessly upload data to Oracle Fusion Cloud PLM and provide real-time feedback on the UI regarding errors and progress.

### **GS-Configurator** | *NodeJS, React, HTML, CSS, Postgres, Docker, Oracle API's, Soap web services*

GS-Configurator is a powerful configuration management tool for Oracle Fusion Cloud, empowering users to streamline and automate the configuration process. It offers flexible options for importing configurations (via Excel files in the "Go-Start Template" format, from other Oracle Fusion environments, or Agile class reports), provides editing, comparison, and revision control capabilities, and generates cloud packages for seamless deployment to target environments.

- **Full-Stack Development:** Played a key role in the full development lifecycle, contributing to both frontend and backend components.
- **UI Development:** Designed and implemented user interfaces, ensuring a user-friendly experience for interacting with GS-Configurator's features.
- **API Development:** Developed robust APIs to enable communication between the frontend, backend, and external systems.
- **Business Logic Implementation:** Built the core logic for handling configuration data, including import, transformation, validation, comparison, and cloud package generation.

## **Skills**

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Business Logic development, problem solving, app development, database design, apps architecture, CI/CD, git and version control, NodeJS, typescript, oracle database and PL/SQL, AWS serverless architecture, devops, HTML/CSS, Integrations, SQS, BullMQ, Docker and docker-compose, graphql