



ABU SUFYAN

Software Engineer & CAFM Specialist

Contact



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Riyadh, Saudi Arabia



Valid, Driving License, KSA



About Me

Software Engineer specializing in CAFM and ERP systems with 5+ years of experience. I build practical solutions like Python automation tools and CAFM implementations to streamline operations and improve efficiency. My expertise spans facility management, database administration, and web development.

Skills

- CAFM/ERP Systems: Infor EAM, CMMS
- Programming: Python (PyQt5, SQL), PHP, VBA
- Advanced Excel, Linux Administration
- Web Development: WordPress, CPanel
- Networking configuration and troubleshooting (CMD)
- Team Management
- UiPath Studio Automation



Education

- **BACHELOR'S IN COMPUTER SCIENCE AND IT**
ALLAMA IQBAL OPEN UNIVERSITY, ISLAMABAD, PAK 2020 - 2023
- **CERTIFIED CLOUD APPLIED GENERATIVE AI ENGINEER (PIAIC) UMT, LAHORE, PAK**
2023
- **HIGHER SECONDARY**
BISE MULTAN, PAK 2018 - 2020
- **MATRICULATION IN COMPUTER SCIENCE**
BISE SAHIWAL, PAK 2016 - 2018
- **PHARMACY TECHNICIAN COURSE**
PUNJAB PHARMACY COUNCIL, LAHORE, PAK 2021 - 2022
- **COMPUTER & IT LITERACY**
VOCATIONAL TRAINING INSTITUTE, PUNJAB, PAK 2017



Experience

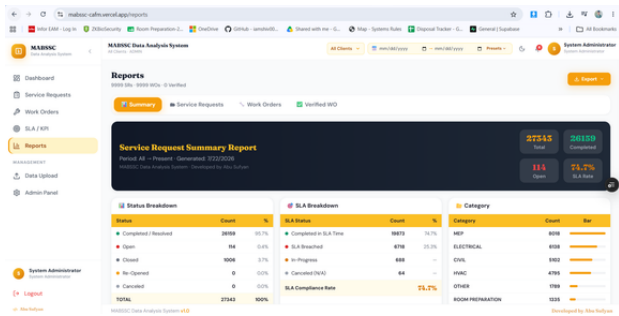
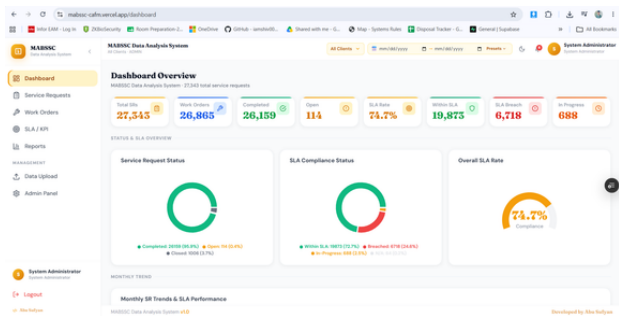
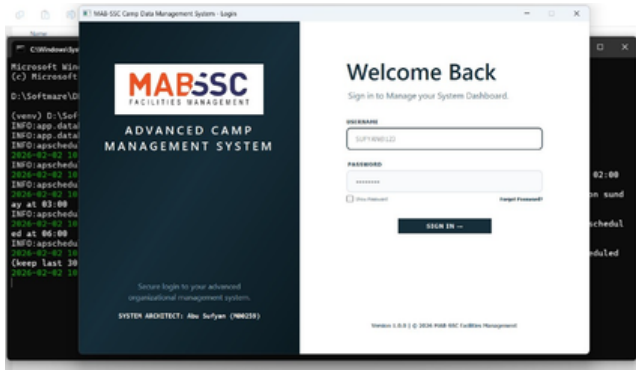
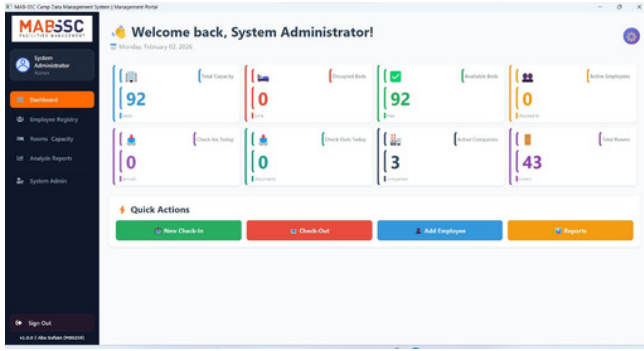
- **IT SPECIALIST & CAFM ADMIN**
MABSSC Riyadh, KSA 2024 – 2026
 - Managed master database and data integrity in Infor EAM
 - Tracked enterprise assets throughout full lifecycle
 - Generated operational reports and performance analytics
 - Drove user adoption and system training initiatives
 - Configured SLA/KPI metrics and monitoring
 - Maintained asset costs and warranty records
 - Scheduled preventive maintenance work orders
 - Configured SMTP for automated email notifications
- **PROJECT PLANNING SPECIALIST**
Zarrar Innovations, Remote 2023 – Present
 - Developed project plans, schedules, and resource strategies
 - Defined scope and deliverables for new development projects
 - Managed timelines, budgets, and risk assessments
 - Coordinated cross-functional teams and stakeholders
 - Tracked milestones and critical path dependencies
 - Delivered progress reports and project documentation
- **Web & App Developer and Seo Analyst**
Erra Inventions, Faisalabad, PAK 2022 - 2023
 - Website Development & Upgrading (Wordpress)
 - Domain & Hosting Management (CPanel)
 - Server Configuration & Optimization
 - Website Security & Backup Solutions (SLL)
 - Performance Monitoring & Troubleshooting
 - CMS & Database Management (PHP)
 - Built Pc tool to streamline daily Excel reports and manual task automation (Python)
 - SEO & Analytics Integration (Off Page)
 - Advanced Python App Development For PC (PYQT5-SQL)
- **IT Specialist and ERP Database Management**
Globe Tech, Faisalabad, PAK 2019- 2022
 - Master Data & Inventory Management (ERP System)
 - Database Integrity & User Access Control (SQL)
 - System Troubleshooting & Performance Optimization
 - Data Migration & System Upgrades
 - End-User Training & Technical Support
 - Report Generation & Analytics (Crystal Reports/BI Tools)
 - Backup & Recovery Solutions
 - Process Automation & Workflow Optimization (UiPath)

LANGUAGES

- English
- Urdu
- Arabic



Projects



Name	Username	Email	Position	Role	Client	Status	Last Login	Permissions
SAAD SHAH	SAAD	SAAD@campdata.com	CAMP OFFICER	CLIENT MANAGER	MABSSC	ACTIVE	25 Apr 20:28:24	Export Comment
Samer	samer	samer@campdata.com	MKT Eng	VENUE	ALL	ACTIVE	25 Apr 20:27:27	Export Comment
Ahmed Odeh	ahmed	ahmed@campdata.com	Facility Manager	CLIENT MANAGER	MABSSC	ACTIVE	None	Export Comment
Report Viewer	viewer	viewer@campdata.com	FM Dashboard	VENUE	MABSSC	SUSPENDED	None	Export Comment
Fergan Abdulah	Fergan	Fergan@campdata.com	Property Duty Officer	CLIENT MANAGER	MABSSC	ACTIVE	25 Apr 20:25:25	Export Comment
System Administrator	admin	admin@campdata.com	System Administrator	ADMIN	ALL	ACTIVE	25 Jul 20:10:10	Export Comment

CAMP ERP MANAGEMENT SYSTEM (CHECK-IN-OUT)

Lead Developer / Systems Architect

React.js | Tailwind CSS | Electron.js | Prisma ORM | SQLite

A desktop-based ERP system for complete camp operations management including resident management, room and bed allocation, attendance tracking, maintenance requests, vendor management, food management, transactions, violations, backup, and reporting.

Key Modules:

- User Authentication & Role Management
- Dashboard & Analytics
- Resident Management
- Room & Bed Allocation
- Attendance Management
- Maintenance Management
- Vendor Management
- Food Management
- Transaction Management
- Violation & Blacklist Management
- Backup & Restore
- Reports Generation

Electron handles desktop functionality, React manages the UI, Prisma manages database operations, and SQLite stores local application data.

MABSSC DATA ANALYSIS SYSTEM — DAILY MAINTENANCE SLA & KPI PLATFORM

Lead Developer / Systems Architect

React | JavaScript (ES6+) | Tailwind CSS | Chart.js | Supabase (PostgreSQL, RLS, Auth) | jsPDF | SheetJS | Vercel / Netlify

An enterprise-grade, cloud-native CAFM analytics platform to aggregate, analyze, and visualize daily operational service requests, work order lifecycles, and SLA compliance metrics. Transforms 25,000+ service requests into interactive dashboards and automated reports.

Key Modules & Features:

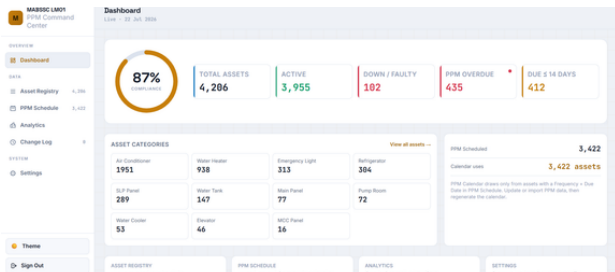
- Live KPI Dashboard: Real-time metrics (25,799 SRs, 75.1% SLA Rate, 6,272 Breaches) with dynamic charts
- Multi-Client & Date Range Filtering for tailored reporting to department heads and clients
- Automated SLA Breach Detection (24.3% breach rate tracking) with one-click PDF/Excel export
- Modern glassmorphism UI with Dark/Light mode toggle and developer branding

Key Business Impact:

- Scaled to process 25,000+ service requests seamlessly without performance bottlenecks
- Eliminated manual Excel calculations by automating real-time SLA compliance tracking
- Provides multi-client filtering for tailored reporting to HODs and external client representatives
- Saves hours weekly through one-click PDF/Excel report generation



Projects



CATEGORY	ASSET CODE	LOCATION	BRAND	DEPARTMENT	STATUS	NEXT PPM	ACTIONS
Air Conditioner	MAS-LM01-BA-FF-AC01	MAS-LM01-BA-FF-01	ZAMIL	LM01-HVAC	Active	2020-09-12	🔍 🗑️
Air Conditioner	MAS-LM01-BA-FF-AC02	MAS-LM01-BA-FF-02	ZAMIL	LM01-HVAC	Active	2020-09-12	🔍 🗑️
Air Conditioner	MAS-LM01-BA-FF-AC03	MAS-LM01-BA-FF-03	ZAMIL	LM01-HVAC	Active	2020-09-12	🔍 🗑️
Air Conditioner	MAS-LM01-BA-FF-AC04	MAS-LM01-BA-FF-04	ZAMIL	LM01-HVAC	Active	2020-09-12	🔍 🗑️
Air Conditioner	MAS-LM01-BA-FF-AC05	MAS-LM01-BA-FF-05	ZAMIL	LM01-HVAC	Active	2020-09-12	🔍 🗑️
Air Conditioner	MAS-LM01-BA-FF-AC06	MAS-LM01-BA-FF-06	ZAMIL	LM01-HVAC	Active	2020-09-12	🔍 🗑️
Air Conditioner	MAS-LM01-BA-FF-AC07	MAS-LM01-BA-FF-07	ZAMIL	LM01-HVAC	Active	2020-09-12	🔍 🗑️
Air Conditioner	MAS-LM01-BA-FF-AC08	MAS-LM01-BA-FF-08	ZAMIL	LM01-HVAC	Active	2020-09-12	🔍 🗑️
Air Conditioner	MAS-LM01-BA-FF-AC09	MAS-LM01-BA-FF-09	ZAMIL	LM01-HVAC	Active	2020-09-05	🔍 🗑️
Air Conditioner	MAS-LM01-BA-FF-AC10	MAS-LM01-BA-FF-10	ZAMIL	LM01-HVAC	Active	2020-09-05	🔍 🗑️
Air Conditioner	MAS-LM01-BA-FF-AC11	MAS-LM01-BA-FF-11	ZAMIL	LM01-HVAC	Active	2020-09-05	🔍 🗑️

Edit Asset — MAS-LM01-BA-FF-AC01

Asset Code * MAS-LM01-BA-FF-AC01 Barcode / Tracking No MAS-LM01-BA-FF-AC01

Asset Location MAS-LM01-BA-FF-01 Status Active

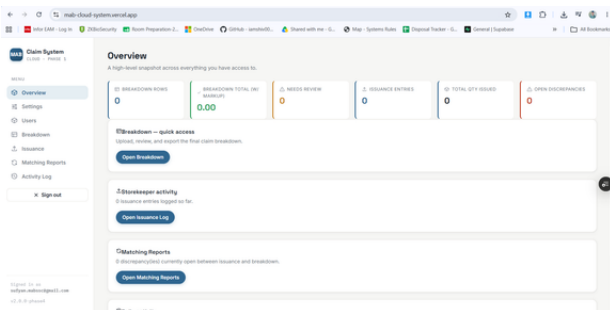
Organization MABSSC-KSA-LM01 Department LM01-HVAC

Class LMI-HVAC Verified No

CATEGORY-SPECIFIC DETAILS

Brand ZAMIL AC Type Split

Model No (Indoor) Serial No (Indoor)



Log a new Issuance

Work Order # e.g. 1000540 Part Material e.g. FLEXIBLE HOSE Qty 1 Technician Who's taking it

Issued 05/22/2020 11:52 AM Notes (optional) Anything worth noting

Issuance Log

Search Work Order, Part, or Technician	From	To
	mm/dd/yyyy	mm/dd/yyyy

0 ISSUES 0 TOTAL QTY ISSUED 0 DISCREPANCY

PLANNED PREVENTIVE MAINTENANCE (PPM) & ASSET MANAGEMENT MODULE

Lead Developer / Systems Architect

JavaScript (ES6+ / React) | Tailwind CSS | Supabase (PostgreSQL) | Dynamic Calendar Engines | Excel/PDF Export

PPM Planner & Automated Scheduling:

Architected an Annual PPM Planner Calendar for generating and managing multi-year preventive maintenance schedules across facilities

Built automated scheduling logic to calculate maintenance frequencies (daily, weekly, monthly, quarterly, semi-annually, annually) and auto-assign tasks based on asset requirements

Integrated dynamic calendar views with real-time status tracking (Scheduled, Overdue, In Progress, Completed) to optimize technician dispatching and ensure SLA compliance

Asset Master Registry:

Designed and implemented a centralized Asset Master Registry to maintain end-to-end asset lifecycles, specifications, location hierarchies, and maintenance histories

Embedded automated cross-referencing between Asset Master Registry and preventive maintenance logs to track equipment reliability, recurring failures, and total cost of maintenance

Structured data models to categorize asset groups (HVAC, Electrical, Plumbing, IT, Mechanical) with specific preventive maintenance checklists and spare parts requirements

Core Functionality & Operational Impact:

Automated task generation to eliminate manual maintenance planning and prevent critical equipment downtime

Integrated preventive maintenance tracking with inventory management, ensuring required spare parts and consumables are allocated prior to scheduled maintenance dates

Developed reporting modules to track annual PPM completion rates, SLA adherence, and preventive vs. corrective maintenance ratios

MAB CLAIM SYSTEM — CLOUD

Lead Developer / Systems Architect

JavaScript (ES6+) | React | Tailwind CSS | shadcn/ui | PostgreSQL | Supabase (RLS, Edge Functions) | Vercel | GitHub

Enterprise-grade cloud application to digitize and automate facility maintenance breakdown claims, parts inventory management, and consumption reconciliation. Replaces offline spreadsheet processes with a centralized database that reconciles parts issued against breakdown logs, flagging discrepancies and preventing stock leakage.

System Modules & Features:

Centralized Authentication & RBAC Governance with Row-Level Security (RLS)

Storekeeper Parts Issuance Portal with real-time audit logging

Automated Discrepancy Matching Engine (SQL rules cross-checking inventory vs breakdowns)

HOD & Manager Reporting Hub for monthly claim audits

Serverless User Administration via Supabase Edge Functions (Deno/TypeScript)



MAB CLAIM SYSTEM (Continued)

Key Business Benefits & Impact:

Eliminates Manual Audit Errors: Automatically matches parts issued to recorded breakdowns, eliminating manual cross-referencing in Excel

Prevents Inventory Loss: Restricts asset issuance without a corresponding recorded breakdown and logs full history for accountability

Data Security & Privacy: Granular database RLS ensures each user role only sees data relevant to their specific clearance level

Zero Infrastructure Operating Costs: Designed to operate entirely within free tiers of Supabase and Vercel (\$0 ongoing hosting/database cost)

Key Achievements Summary:

Developed and deployed the MABSSC Claim System, a cloud resource and inventory tracking application to streamline facility breakdown claim reconciliations across departments

Engineered database security on PostgreSQL using Supabase Row-Level Security (RLS) policies and granular JSON-based user permissions

Automated reconciliation logic using custom SQL engines to compare physical inventory issuances against breakdown logs, instantly identifying stock discrepancies

Built serverless user provisioning using Supabase Edge Functions (Deno/TypeScript) for secure administrative user management

Achieved \$0 operational cost by architecting complete production infrastructure within free-tier limits on Supabase and Vercel