

# SHAHID AMAN

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## SUMMARY

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A highly skilled full-stack engineer with extensive experience in building scalable, real-time, and enterprise-grade web applications. Proven track record across SaaS, POS, and employee engagement domains with expertise in modern technologies and cloud infrastructure.

## EDUCATION

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### I.E.T Dr RML Awadh University

Aug 2019 – Jul 2023

*Bachelor of Technology, Computer Science and Engineering*

## EXPERIENCE

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### Software Developer

Dec 2023 – Present

*Tiso Studio Pvt Ltd, Hyderabad*

- Led ZATCA Phase 2 e-invoicing implementation with XML generation, digital signing, QR code generation, and real-time tax authority reporting, processing 8 lakh invoices over 8-9 months.
- Developed offline-first React Native POS with multi-location inventory management, order routing, and kitchen display systems for restaurant operations.
- Engineered MongoDB CDC + Kafka pipelines for real-time data synchronization across distributed POS devices with automatic conflict resolution and offline support.
- Built QuestDB-based analytics platform with CDC integration for sub-second business intelligence queries and real-time reporting dashboards.
- Created hardware integration drivers for thermal printers, barcode scanners, and cash drawers with custom device communication protocols.
- Developed a high-performance data migration tool in Go to transfer 10+ million records across 10+ collections from MongoDB to PostgreSQL, ensuring data integrity and minimal downtime during enterprise-scale database transitions.
- Built a Go-based microservice for converting USDZ to GLB 3D model formats, enabling cross-platform compatibility and optimized rendering performance for web and mobile applications.
- Architected comprehensive DevOps infrastructure for Tijarah's microservices with multi-environment CI/CD pipelines using GitLab CI/CD and GitHub Actions, automated Docker containerization, OCI registry integration, and Kubernetes orchestration across dev/test/QA/prod environments for 9+ services including API, data processing, PDF generation, and audit logging.

### Full Stack Engineer

Jan 2022 – Dec 2023

*Biteheist LLC (Remote)*

- Built full-stack food ordering system with real-time menu customization, multi-channel ordering (delivery, pickup, dine-in, catering), and location management.
- Designed drag-and-drop menu builder with dynamic pricing, tax engines, loyalty programs, and comprehensive reporting dashboards.
- Integrated multiple payment gateways (Stripe, Authorize.Net, Jupiter, Tilled) with secure tokenization and automated financial reconciliation.
- Implemented cloud infrastructure with MongoDB, Redis caching, AWS S3, and third-party integrations for delivery platforms and POS systems.
- Developed real-time order tracking with SMS notifications, GPS integration, and automated customer communication workflows.

### Full Stack Engineer

Jan 2021 – Jan 2022

*CAREit Human Technology (Remote)*

- Developed enterprise SaaS platform "CAREit" for employee engagement, recognition, and workplace management with multi-tenant architecture.
- Implemented real-time chat and broadcast system using Socket.IO with user presence tracking, group messaging, and instant notifications.

- Built recognition modules with point-based systems, contests, raffles, and automated reward distribution mechanisms.
- Integrated goal-setting, survey systems, shift planning, and organization-wide announcement features with role-based access control.
- Designed scalable backend with MongoDB, Redis, GraphQL, and microservices architecture supporting thousands of concurrent users.

## PROJECTS

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### GoQuery - Natural Language Database Query Platform

Feb 2025 – Present

- Built AI-powered platform converting natural language to SQL queries with high accuracy, supporting PostgreSQL, MySQL, MongoDB, and SQL Server.
- Developed full-stack application with React/Next.js frontend and Node.js backend, integrated with OpenAI API for intelligent query generation.
- Implemented secure database connection management with schema introspection, query validation, and execution history tracking.
- Created advanced features including saved queries, query sharing, scheduling capabilities, and real-time performance monitoring.

### PDFNinja - Swift PDF Mastery API

Oct 2024 – Dec 2024

- Developed comprehensive PDF manipulation REST API using Go and Fiber framework with 12+ operations including merge, split, compress, OCR, and format conversion.
- Integrated multiple processing engines (MuPDF, LibreOffice, Tesseract OCR) with intelligent fallback mechanisms for diverse document types.
- Built modern React/Next.js frontend with drag-and-drop interface, real-time preview, and batch processing capabilities.
- Implemented Docker containerization and scalable microservices architecture for high-performance document processing.

### Blocks - HTTP JSON Storage Service

Aug 2024 – Oct 2024

- Architected flexible HTTP-based JSON storage service using NestJS and MongoDB, enabling instant REST API creation without backend setup.
- Implemented secure multi-tenant architecture with token-based authentication and isolated data storage for multiple users.
- Built comprehensive React/Next.js dashboard with real-time data management, advanced querying, and usage analytics.
- Developed intelligent indexing system with MongoDB optimization for complex queries and fast data retrieval.

## TECHNICAL SKILLS

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**Languages:** JavaScript/TypeScript, Golang, SQL, GraphQL, Python

**Frontend:** React.js, Next.js, SvelteKit, React Native

**Backend:** Node.js, Express.js, Nest.js, GoFiber, Echo

**Databases:** MongoDB, PostgreSQL, QuestDB, Redis, MySQL

**Tools:** Docker, Kubernetes, Git, GitHub Actions, GitLab CI/CD, PM2

**Others:** REST, WebSockets, LLM APIs, Microservices, CI/CD, PDF automation, AWS, Firebase

## PROFESSIONAL COURSES

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Scrimba - The Frontend Developer Career Path

The Complete Bootcamp 2021

## LANGUAGES

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English, Hindi

## INTERESTS

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AI/ML, Web3, SaaS Architectures, Cloud Computing