

FAIZAN AHMAD

Senior Software Engineer | SvelteKit & React | Real-Time Systems

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SUMMARY

Senior full-stack engineer with 9+ years shipping production web applications for remote-first teams across Europe, the US, South Africa, and Pakistan. SvelteKit and React specialist with deep experience in real-time systems, event-driven architecture, and scalable frontend design. Known for owning features end-to-end, using product telemetry to shape what gets built, and leading technical direction on small-to-mid teams.

TECHNICAL SKILLS

Languages & Runtimes: TypeScript, JavaScript (ES2022+), Node.js

Frontend: Svelte / SvelteKit (production), React, Next.js (App Router), Redux, Tailwind CSS, shadcn-svelte, shadcn/ui, Ant Design, Material UI, MapLibre GL, FullCalendar

Backend & Data: Express.js, NestJS, tRPC, REST APIs, PostgreSQL, Redis, Zod, pdfmake

Real-Time & Messaging: Kafka, MQTT, RabbitMQ, WebSockets, event-driven architecture

DevOps & Cloud: Docker, Kubernetes, Git, CI/CD pipelines

AI Tooling: Claude API, GitHub Copilot, Cursor (integrated into team workflows)

Practices: System design, RFC-driven architecture, code review, technical mentorship, Agile/Scrum, sprint planning

WORK EXPERIENCE

Senior Software Engineer | Operanex
Belgium (Remote)

Oct 2024 – Present

- Architected and shipped the SvelteKit and shadcn-svelte frontend for **Kimax Digital**, a real-time mining and fleet telemetry platform streaming live data from 1,000+ vehicles over MQTT into an interactive operator UI.
- Built the MapLibre GL fleet map with live vehicle positions, geofence overlays, and clustered markers, tuned to absorb sustained high-frequency MQTT updates without dropped frames.
- Established a typed end-to-end data layer using tRPC, sveltekit-superforms, and Zod, wiring PostgreSQL through to the UI without hand-written API clients and eliminating client/server validation drift.
- Proactively analyzed Kimax telemetry and usage data to identify product gaps; surfaced findings to leadership and drove a new fleet-operations visibility feature from discovery to production.
- Drove technical practices across a distributed 6-engineer team by running design critiques and introducing a structured RFC process that reduced architecture-related rework; mentored senior and mid-level engineers through pairing and written design reviews.

Technical Lead (Contract, Part-Time) | Aquila EHR
United States (Remote)

Jan 2022 – Present

- Own the technical direction of a multi-tenant Electronic Health Record platform spanning 13 clinical modules – patient records, multi-provider scheduling, billing, insurance claims, denial management, MIPS compliance reporting, orders, and fax inbox – serving US-based medical practices.
- Architected the domain model so medications, vitals, authorizations, referrals, and billing stay as isolated concerns rather than drifting into a single monolith; every query is scoped by `practiceId` so multiple independent practices run from one deployment without leakage.
- Built insurance claims and denial-management flows with automated reconciliation across multiple payers, plus a compliance PDF pipeline (superbills, patient statements, MIPS reports) using pdfmake in a domain where output correctness is regulated.
- Implemented FullCalendar-based multi-provider scheduling with resource views, recurrence rules, and real-time appointment state.
- Guide a cross-functional team through complex engineering challenges via design reviews and architectural pairing; process and tooling improvements I introduced measurably reduced operational overhead and raised team throughput.

Senior Software Engineer | glasc.io
South Africa (Remote)

Jan 2022 – Oct 2024

- Delivered full-stack React and Node.js features across fleet tracking and weight analytics products, including **Turing Insights**, which tracks 2,000+ vehicles in real time and serves 200+ active operator users.

- Built a proof-of-concept for a new product line that was approved by stakeholders and advanced into full production development.
- Established team-wide coding standards, design-pattern guidelines, and Git workflow conventions adopted across the engineering team.
- Mentored junior engineers via code review and pair programming; multiple direct mentees progressed to mid-level roles.

Software Engineer | [glasc.io](#)
South Africa (Remote)

Jan 2019 – Dec 2021

- Built frontend workflows for real-time event detection, fleet alerts, and large-dataset visualization, handling high-frequency updates over Kafka and RabbitMQ pipelines.
- Drove the full SDLC across requirements, system design, implementation, QA, and production debugging within a distributed remote team.

Full-Stack Developer | [CreditFix](#)
Islamabad, Pakistan

Apr 2017 – Dec 2018

- Built a responsive React UI for **CreditPer**, a data-driven lending platform for individuals and SMEs, translating financial-domain requirements into modular components.
- Integrated third-party React libraries and delivered pixel-accurate implementations from design mock-ups; participated actively in sprint ceremonies and surfaced technical risk proactively.

KEY PROJECTS

Kimax Digital | Oct 2024 – Present

Real-time mining and trucking telemetry platform with geofencing, weight analytics, and fleet management dashboard. Ingests live data from 1,000+ vehicles over MQTT.

Stack: SvelteKit, shadcn-svelte, tRPC, Zod, MapLibre GL, Kafka, MQTT, PostgreSQL, Redis, Kubernetes.

Aquila EHR | Jan 2022 – Present

Multi-tenant Electronic Health Record platform spanning 13 clinical modules – patient records, multi-provider scheduling, billing, insurance claims, denial management, MIPS reporting, orders, and compliance PDF generation – serving US-based practices from a single deployment.

Stack: React, TypeScript, Ant Design, FullCalendar, Node.js, PostgreSQL, Redis, pdfmake.

Cossel | Oct 2024 – Present

Scalable B2B ATS and recruitment platform for candidate sourcing and hiring workflow automation.

Stack: SvelteKit, shadcn/ui, tRPC, PostgreSQL.

Turing Insights | Jan 2019 – Oct 2024

Real-time fleet tracking, weight and location analytics, and alert workflows for vehicle payload monitoring. Tracks 2,000+ vehicles with 200+ active operator users.

Stack: React, NestJS, Kafka, Redis, RabbitMQ, PostgreSQL.

CreditPer | Apr 2017 – Dec 2018

Data-driven consumer and SME lending platform with automated credit decisioning.

Stack: React, Node.js, PostgreSQL.

EDUCATION

Bachelor of Computer Science | [COMSATS University Islamabad](#)

2013 – 2017

LANGUAGES

English | Full Professional Proficiency

Urdu | Native / Bilingual