

Qalib Abbas

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SUMMARY

Dubai-based engineer who specialises in building high-scale web platforms and AI-powered products using React, Next.js, TypeScript, Node.js, and AWS. At Emirates, built an AI support chatbot handling 500K+ monthly interactions at sub-800ms latency and architected the micro-frontend rebuild of a flight search engine processing 2M+ daily searches. Looking for a senior engineering or technical lead role at a product company in the UAE.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript (ES2022+), HTML5, CSS3

Frameworks: React.js, Next.js, Node.js, GraphQL, React Native

Cloud & Infra: AWS (EKS, Lambda, CloudFront, ECS), Docker, Kubernetes, OpenShift, CI/CD (GitHub Actions)

AI Integration: OpenAI API, Prompt Engineering, LLM Streaming, Conversational AI

Observability: AppDynamics, Splunk, Webpack, Vite

APIs & Data: REST, GraphQL, WebSocket, Redis, PostgreSQL, MongoDB

Architecture: Micro-frontend, Monorepo, Event-driven, Serverless, Zero-downtime migrations

EXPERIENCE

Emirates

Mar 2023 – Present

Senior Software Engineer & Technical Lead

Dubai, UAE

- Built an AI-powered support chatbot from scratch using Next.js, TypeScript, and the OpenAI API — now handles 500K+ monthly interactions. Getting response times from 3.2s to under 800ms through streaming and prompt restructuring cut support ticket volume by 35% and improved first-contact resolution by 45%.
- Architected the micro-frontend rebuild of the flight search and booking engine (2M+ daily searches), reducing JS bundle size by 40% and improving Core Web Vitals by 60%. The pattern was adopted as the standard architecture across the frontend organisation.
- Migrated production infrastructure from OpenShift to AWS EKS across 12 services, cutting infrastructure costs by ~25%. Built centralised observability with AppDynamics and Splunk — reduced mean time to resolution by ~40% over six months.
- Delivered infrastructure, automation, and observability improvements contributing to ~\$2M in annualised cost savings, primarily through right-sizing over-provisioned services and eliminating manual incident-handling overhead.
- Identified and remediated 100+ security vulnerabilities surfaced through internal VAPT audits across the booking platform, including critical flaws enabling revenue leakage on ancillary products — resolved API validation and client-side enforcement gaps that were costing thousands of AED monthly.

Department of Municipal Affairs & Transport (TAMM)

Jul 2022 – Mar 2023

Technical Lead | Full Stack Developer

Abu Dhabi, UAE

- Led frontend engineering on TAMM — Abu Dhabi's unified government services portal serving 300K+ active users — delivering 20+ digital services end to end across product, design, and government stakeholders.
- Built the shared TypeScript React component library adopted across 15 government portals; eliminated significant design debt and accelerated delivery velocity across multiple teams.
- Executed the DARB-to-TAMM platform migration with zero downtime using phased rollout and close backend coordination across live government services.
- Defined frontend standards and ran code reviews for a team of 6; drove TypeScript adoption early, which measurably reduced runtime defects as the codebase scaled.

PwC UAE

Sep 2021 – Jul 2022

Full Stack Developer (Contract — TAMM Programme)

Abu Dhabi, UAE

- Delivered 8 production citizen-facing service modules over 11 months across housing, transport, and permits domains, embedded directly in the TAMM core engineering team.
- Built Node.js API integrations with Abu Dhabi government backend systems; maintained TAMM design system consistency across all modules, reducing design debt ahead of component library centralisation.

Renesis Tech

Mar 2021 – Sep 2021

Senior MERN Stack & React Native Developer

Lahore, Pakistan (Remote)

- Built React Native and web applications serving 100K+ concurrent users; implemented real-time messaging via WebSocket and Redis pub/sub, reducing memory usage by 30% through connection pooling.
- Established CI/CD pipelines on AWS ECS with GitHub Actions and Docker, moving the team from manual deployments to multiple independent releases per week.

SpyreSync

Jan 2021 – Mar 2021

System Analyst & MERN Team Lead

Remote

- Led a 4-engineer MERN team building a B2B SaaS workflow automation platform; owned sprint planning, technical decisions, and API architecture for real-time notification features.

BPlix

Nov 2019 – Jan 2021

Senior Software Engineer (Contract via Clipboard Health)

Remote (US)

- Shipped React features for Clipboard Health's US healthtech staffing marketplace; refactored core UI components, reducing duplicate implementations from 14 to 3 and cutting onboarding friction for new engineers.

Self-Employed

Jan 2016 – Nov 2019

Full Stack Developer (Freelance)

Pakistan

- Delivered 20+ web and mobile applications end to end for SME clients across e-commerce, booking, and business management using React, React Native, and Node.js — sole developer on each engagement including production incident ownership.

EDUCATION

GIFT University

Bachelor of Science, Computer Science — 2020

CERTIFICATIONS

JavaScript Developer · React Developer · Agile Certified Professional · Gold Najam Award (Emirates) — internal recognition for exceptional performance

OPEN SOURCE & PROJECTS

- React Performance Monitor — Open-source NPM package for tracking React component render performance.
- TypeScript utility library used across multiple client projects.
- Sofra — Founder; building a multilingual restaurant ordering platform for the GCC market (Next.js, TypeScript, Node.js).