

JAKIR HUSSAIN

SENIOR FULL-STACK ENGINEER

NODE.JS | REACT | API | GRAPHQL | AWS

Senior Full-Stack Engineer with 8+ years of experience building cloud-native, AI-integrated platforms using Node.js, React, and GraphQL. Specializes in microservice architecture, CI/CD automation, and cloud deployments on AWS and Kubernetes. Recognized for bridging frontend UX and backend efficiency, delivering scalable, resilient platforms that power data-intensive applications.

itsjakirhussain@gmail.com | +971 585591060 | Dubai, UAE | linkedin.com/in/iam-hussain | iam-hussain.site

SKILLS

BACK-END & APIs

Node.js / Bun
Express.js / Hapi
GraphQL / REST API

Apollo GraphQL / GraphQL Modules
Prisma ORM / Sequelize ORM

FRONT-END

React.js / Next.js
TypeScript / JavaScript
GraphQL / Redux Toolkit
React Query / React Router
Styled Components / Tailwind CSS
Material UI / NativeWind
Storybook / Astro.js
Remix.js / Vite
Webpack / Babel
Framer Motion / Cypress.io
Playwright / Jest
Vitest

MOBILE & DESKTOP

React Native / Expo
React Native WebView / Electron
Tauri

AI & PERSONALIZATION

OpenAI API / LangChain
Prompt Engineering

DATABASES

MongoDB / PostgreSQL
MySQL / DynamoDB
Redis / Elasticsearch

CLOUD & DEVOPS

AWS (Lambda / s3)
ECS / CloudFront
Docker / Podman
Kubernetes / OpenShift
Terraform / Jenkins
GitHub Actions / Serverless
Load Balancer / CDN

TESTING & QA

Playwright / Cypress
Jest / Mocha
Chai / Cucumber.js
Vitest

OTHERS

HTML / CSS
SCSS / LESS
Web Accessibility (WCAG)
Performance Optimization / CI/CD
Automation

EXPERIENCE

SYNECHRON TECHNOLOGIES LLC

Dubai, UAE

LEAD - TECHNOLOGY

DEC 2024 - Current

Open Finance - Emirates NBD

- Led backend and API architecture for Emirates NBD's Open Finance Platform, developed under the UAE Central Bank's "Compete and Comply" Open Banking framework.
- Architected and deployed Node.js / TypeScript microservices enabling secure, consent-based financial data exchange between licensed financial institutions (LFIs) and third-party providers (TPPs).
- Designed and integrated REST and GraphQL APIs with React/Next.js dashboards to deliver seamless regulatory workflows and real-time consent management.
- Implemented 3Scale API Gateway and automated CI/CD pipelines with Jenkins + OpenShift, cutting release time by 40%.
- Collaborated directly with UAE Central Bank regulators to ensure compliance, data governance, and security alignment with Open Banking standards.
- Partnered with AI and analytics teams to prototype predictive consent analytics and anomaly detection dashboards for smarter fraud prevention and user transparency.
- Contributed to the first production-ready release, gaining deep expertise in regulated fintech ecosystems, data interoperability, and Open Finance governance.

Tech Stack

Express.js, TypeScript, GraphQL, React.js, Material UI, MongoDB, OpenShift, 3Scale, Cucumber.js, Playwright

CONDE NAST TECHNOLOGY LAB

Bangalore, Karnataka, India

SOFTWARE ENGINEER II

JUNE 2023 - NOV 2024

The New Yorker Caption Contest, AI Personalization, Home Page, Name Drop Quiz & Newsletter Experience

- Engineered a full-stack AI personalization platform for The New Yorker Caption Contest, integrating ML-driven recommendation models with dynamic React rendering based on real-time prediction data.
- Developed adaptive React/Next.js layouts connected to personalization APIs, boosting user engagement by 27% and improving session duration.
- Designed and automated Kubernetes CronJobs for large-scale Instagram caption ingestion, achieving continuous content synchronization and low-latency discovery.
- Collaborated with ML and backend teams to transform predictive analytics into interactive, data-driven UI components and scalable GraphQL endpoints.
- Led the POC and rollout of server-driven UI components, cutting redundant layout logic by 40% across devices and user segments.
- Built "Name Drop" quiz app from Figma prototypes, integrating backend logic, animation-based UX, and performance profiling for a responsive, gamified experience.
- Enhanced homepage accessibility and engagement by integrating audio-article playback and adaptive media handling.
- Optimized newsletter subscription modules and toggled logic, improving recurring user sign-ups by 18%.
- Mentored developers in React performance profiling, memoization, and accessibility standards, elevating code quality and consistency.
- Implemented end-to-end analytics pipelines (Snowplow + GraphQL) to close the feedback loop between behavioral data and AI-driven personalization models.

Tech Stack

React.js, Next.js, TypeScript, GraphQL, Node.js, Styled Components, Storybook, Prisma, MongoDB, MySQL, Kubernetes, Terraform, GitHub Actions, AWS, Hapi, Express, Datadog, Serverless Framework, Fastly CDN, Databricks, Vitest

JAKIR HUSSAIN

SENIOR FULL-STACK ENGINEER
NODE.JS / REACT / API / GRAPHQL / AWS

itsjakirhussain@gmail.com | +971 585591060 | Dubai, UAE | linkedin.com/in/iam-hussain | iam-hussain.site

CORE COMPETENCIES

- AI-Powered UI Personalization & Predictive Experiences
 - React / Next.js Frontend Architecture
 - LangChain & OpenAI API Integrations
- Real-Time Dashboards & Data Visualization
 - GraphQL Federation & API Design
- Cloud-Native & Serverless Applications (AWS / 3Scale / Terraform)
 - Performance Profiling, Caching, and Code Optimization
 - Design System & Component Library Development
- Collaboration with ML / Backend / DevOps Teams

HIGHLIGHTS

- Contributed to open-source UI libraries on GitHub.
- Published reusable NPM packages for React components.
- Delivered high-impact projects like The New Yorker Caption Contest under tight timelines.

EDUCATION

ARUNAI ENGINEERING COLLEGE

Tiruvannamalai, Tamil Nadu, India

BACHELOR OF ENGINEERING IN MECHANICAL ENGINEERING

AUG 2013 – JUN 2016

KUMARAN POLYTECHNIC COLLEGE

Tiruvannamalai, Tamil Nadu, India

DIPLOMA IN MECHANICAL ENGINEERING

AUG 2010 – JUN 2013

LANGUAGES

ENGLISH, TAMIL, HINDI

SOCIAL

PORFOLIO

<https://iam-hussain.site>

LINKEDIN

<https://www.linkedin.com/in/iam-hussain>

GIT

<https://github.com/iam-hussain>

<https://github.com/jakir-coder>

HTC GLOBAL SERVICES

SOFTWARE DEVELOPER

Chennai, Tamil Nadu, India

FEB 2020 – JUNE 2021

Manipal Education and Lead Management

- Built microservice APIs for Manipal University's online platform serving 50K students.
- Implemented serverless ingestion pipelines (AWS Lambda, SQS, DynamoDB) to process Salesforce data 60% faster.
- Added Elasticsearch search and async event processing for real-time analytics.
- Deployed Dockerized Node.js apps to AWS EC2 and improved CI/CD reliability 30%.
- Collaborated with front-end teams to integrate React components with Node APIs.

Tech Stack

Node.js, Express.js, TypeScript, Sequelize, DynamoDB, Elasticsearch, AWS Lambda, SQS, Docker

DEVELOP SCRIPT LLC

NODE JS DEVELOPER

Chennai, Tamil Nadu, India

DEC 2018 – JAN 2020

Mazzady, Sothebi, PreRio, SlotCycle

- Engineered real-time auction APIs with Node.js / Express and WebSocket communication via Socket.IO.
- Managed Redis Pub/Sub for instant bidding synchronization across users.
- Integrated payment gateways, logistics, and notification services to create complete e-commerce workflows.
- Built React interfaces for admin and bidding modules with real-time updates.

Tech Stack

Node.js, Express.js, React.js, Socket.IO, Redis, AWS RDS, MySQL

SELSUN TECHNOLOGIES

SOFTWARE TRAINEE

Chennai, Tamil Nadu, India

DEC 2017 – NOV 2018

- Enhanced OpenCV-based image-processing algorithms for industrial vision equipment.
- Assisted in computer-vision deployments and performance testing under tight deadlines.

Tech Stack

C++, Python, OpenCV

FREELANCE CONTRIBUTIONS

ORIGIN PROTOCOL

San Francisco, California, US

WEB3 FRONTEND ENGINEER

DEC 2020 – FEB 2021

- Worked on functional enhancements for a decentralized application (dApp) on the Ethereum blockchain.
- Integrated Web3.js with MetaMask for seamless wallet connectivity and on-chain transaction flow.
- Collaborated with backend engineers to extend GraphQL APIs and improve blockchain event handling.

Tech Stack

TypeScript, Express.js, Lerna.js, GraphQL, Solidity, Styled Components, Web3.js, Python Flask, Mocha, Chai