

SAGAR ALI

Full Stack Software Engineer

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CONTACT

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SKILLS

Frontend

React, Next.js, TypeScript, JavaScript, Redux, Responsive Design

Backend

Node.js, Express.js, NestJS

APIs

REST, GraphQL, WebSockets, Webhooks

Databases

DynamoDB, MySQL

Caching

Redis, CDN strategies

Auth

JWT, OAuth 2.0, Passport.js, NextAuth

Cloud

AWS (S3, CloudFront, EC2), Cloudflare, Vercel, Firebase

Async

Cron jobs (NestJS)

Real-time

Socket.io

Payments

Stripe, JazzCash, EasyPaisa

Mobile

Swift, SwiftUI, iOS

Testing

Jest

Third-party APIs

OpenAI/ChatGPT, Whisper, Twilio, SendGrid, Mailgun

Other

Java, Figma, SEO, Git

EDUCATION

MSc Software Engineering

University of Hertfordshire
Sept 2024 - Expected Sept

PROFESSIONAL SUMMARY

Full Stack Software Engineer with 5+ years building scalable web products in React, Next.js, TypeScript, and Node.js. Promoted from Graduate to Senior Engineer in 3 years at Maqsad, a high-growth EdTech platform serving 4M+ students. Strong end-to-end ownership — shipped AI features, SEO that grew traffic 40%, and internal tools used across the company. Currently pursuing an MSc in Software Engineering at the University of Hertfordshire.

EXPERIENCE

Maqsad Pte Ltd

Senior Software Engineer
Singapore / Karachi

Sep 2022 - Present

EdTech platform serving 4M+ students, 16M+ doubts solved, 500+ university admissions.

- Built and shipped React / Next.js features on maqsad.io — dashboards, payment flows, and dynamic UI components — used daily by 4M+ students.
- Contributed to DynamoDB and MySQL schema design for user, content, and entitlement domains.
- Applied Redis caching and CDN strategies on high-traffic endpoints to improve response times.
- Implemented authentication flows for student, teacher, and admin user types using JWT, OAuth 2.0, Passport.js, and NextAuth.
- Integrated Stripe, JazzCash, and EasyPaisa payment gateways for online course purchases and subscription flows.
- Owned the backend for **Chaabi**, an internal entitlement system controlling product access across user cohorts.
- Built NestJS cron jobs to pull real-time updates from the support email inbox and route student queries into a Slack channel for the support team.
- Integrated third-party APIs (OpenAI / ChatGPT, Twilio, SendGrid, Mailgun) for AI features, messaging, and transactional email.
- Drove a **40% increase in organic traffic** through SEO strategy and on-page optimisation.

Maqsad Pte Ltd

Associate Software Engineer
Singapore / Karachi

Mar 2022 - Sep 2022

- Built maqsad.io from scratch, including interactive video lectures, live classes, and secure online purchase and authentication flows.
- Co-built **Sikandar**, an internal tool to manage video lectures and assessments used by the content team.

Maqsad Pte Ltd

Graduate Software Engineer
Karachi, Pakistan

Aug 2021 - Mar 2022

- Built foundational React components and pages for maqsad.io

2026

B.E Software Engineering

Mehran UET, Khairpur
Dec 2017 - Dec 2021

- ahead of public launch (45K+ students enrolled since).
- Created **Jango**, an internal tool routing student queries to teachers, with Node.js backend integration.

Rove Apps Pvt Ltd

Software Engineer
Karachi, Pakistan

Aug 2020 - Aug 2021

- Built **RovePapers**, an educational platform of past papers and interactive tests for O/A-level students in Pakistan (React, JavaScript, responsive design).

PROJECTS

AI WhatsApp Solicitor — *MSc Capstone, University of Hertfordshire, 2026*

Multilingual conversational AI providing UK legal guidance over WhatsApp. Auto-detects user language and responds in kind; supports both text and voice conversations.

Stack: Node.js · Twilio WhatsApp Business API · OpenAI ChatGPT API · Whisper · Webhooks

Lens Master — *Private Client MVP — iOS*

Online marketplace for buying, selling, and reviewing camera lenses. Built end-to-end as an MVP from scratch.

Stack: Swift · SwiftUI

Mox Cycling — *Private Client MVP — iOS*

E-commerce iOS app for selling cycles online. Built end-to-end as an MVP from scratch.

Stack: Swift · SwiftUI