

Ashutosh Kumar

Lead Engineer

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SUMMARY

Lead Engineer, eight years across backend, cloud and mobile. Currently own the architecture and AWS infrastructure behind an education platform — real-time collaboration, standards-based integrations, and the serverless services underneath.

EXPERIENCE

Taazaa Inc Jun 2020 - Present
Noida, India

Lead Engineer Nov 2025 - Present
Leading a small team of developers on a long-running education platform.

- Interview engineering candidates, train new graduates, and run internal sessions on getting useful work out of AI tools.
- Own architecture, technical direction, and the AWS account behind the platform — infrastructure, deployments and cost.
- Cut the DynamoDB bill by 70% by ageing session data out of the hot table into object storage.
- Implemented LTI so partner institutions can launch the product from their own learning platforms.

Senior Software Engineer May 2021 - Nov 2025
Two long-running client engagements: an education platform, and a connected medical device product.

- Restructured a large codebase into maintainable packages and migrated it to TypeScript.
- Designed and built the authentication and authorisation layer.
- Built the real-time collaboration layer, putting multiple users on the same document simultaneously over WebSocket.
- Rewrote hot paths in a graphics-heavy front end, replacing linear scans with indexed lookups to keep interaction responsive under load.
- Delivered serverless APIs for a mobile application communicating with connected medical devices over Bluetooth.

Software Engineer Jun 2020 - May 2021
First role at Taazaa, on client product teams.

- Shipped product features end to end, moving between client codebases and stacks.
- Built serverless backends on AWS Lambda behind Vue front ends.

TECH Rust · Node.js · TypeScript · AWS · DynamoDB · Microservices · AWS Lambda · Serverless Framework · WebSockets · Vue.js

Buidsys Jun 2018 - Jun 2020
New Delhi, India

Software Engineer
Cloud-based software for the construction and real estate industries.

- Built and maintained a multi-platform product for managing construction projects end to end.
- Worked across the whole surface — .NET backend, Angular web client, and Flutter mobile app.

TECH C#/.NET · ASP.NET Boilerplate · Angular · TypeScript · Flutter

EventsMosaic Feb 2016 - Jan 2017
New Delhi, India

Web Development Intern
Part-time internship taken alongside the degree.

- Built the web platform for an events marketplace connecting users, organisers and vendors.

TECH MongoDB · Express · Angular · Node.js

SKILLS

Languages	TypeScript · JavaScript · Rust · C# · Dart
Backend	Node.js · Express · Microservices · ASP.NET Boilerplate
Cloud	AWS Lambda · API Gateway · S3 · Serverless Framework · Azure
Frontend	Vue.js · React · Angular · Flutter · Canvas
Data	DynamoDB · RDS · MongoDB · SQL · NoSQL

PROJECTS

Open-source contributions Ongoing
Fixes and improvements landed upstream in serverless-bundle, Flutter, and FirebaseExtended/flutterfire.

TECH Dart · Node.js

Medicus 2018
Appointment management and scheduling for hospitals, built for the Ministry of Health and Family Welfare at Smart India Hackathon 2018. Surfaces treatment resources for people in remote areas and thins the queues at AIIMS and other government hospitals.

TECH MongoDB · Express · Angular · Node.js

TRAAM

2017

Asset tracking and management for the Ministry of Defence — a 36-hour build at Smart India Hackathon 2017.

TECH MongoDB · Express · Angular · Node.js · Ionic/Cordova

CrypTrace

2018

Cryptocurrency tracker following prices across 50+ markets in real time. Shipped as a hybrid Android app, then rebuilt as an installable PWA.

TECH React · Ionic · TypeScript · Socket.io · Chart.js

EDUCATION

NITRA Technical Campus, Ghaziabad

2014 – 2018

B.Tech, Computer Science & Engineering