

# Ankit Kumar

Software Engineer - Application Developer | 3 Years of Experience

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## WORK EXPERIENCE

### Software Development Engineer

Zalon

April 2024 - Present

Gurugram, India

Applications: [Zalon.in](#) | [Android](#) | [iOS](#) | [ZBills.in \(POS\)](#)

- **Core Technologies:** Next.js (Client App) | Flutter | Angular (Admin Side) | Node.js | Express | AWS - EC2, ECR, S3, CloudFront, SNS, etc | Docker | MongoDB | Redis | RabbitMQ | JWT | ElasticSearch | JS/TS | Python | Firebase | Docker | Flutter (GetX & Shorebird OTA) | CI/CD.
- Developed and maintained the e-commerce web application ([Zalon.in](#)) using Next.js (React) for dynamic front-ends and Server-Side Rendering (SSR).
- Managed and scaled 14+ microservices written in Node.js/Express, optimizing back-end APIs to reduce latency by 99.6% (from 18s to 63ms).
- Architected and deployed production infrastructure using AWS (EC2, ECR, CloudFront, S3), resulting in zero downtime across 1,700+ deployments.
- Engineered a scalable Microservices architecture using Node.js/Express and Mongoose/MongoDB to consolidate the backend for all client apps (Next.js, Flutter, Angular). Optimized performance and reliability through RabbitMQ (asynchronous flow), Redis (caching), Cron Jobs, and secure JWT/OAuth authentication.
- Drove operational efficiency by writing 150+ Python scripts to automate infrastructure monitoring, WhatsApp notifications, and MongoDB-based reporting tasks.
- Directed the development of 4+ key applications (B2B, POS, Sales) in Flutter and Angular, contributing to the main iOS/Android apps which scaled to 25K+ downloads and 10K+ monthly active users.

### Junior Mobile Developer

Techtonic

September 2023 - April 2024

Ghaziabad, India

Collat | [Android](#) | [iOS](#)

- Flutter | Firebase | Bloc | REST API | Hive
- Led development of a cross-platform invoice management app (Flutter + Bloc) for a SaaS platform (trusted by MNCs like Kohler/Jaquar), enhancing security/performance and improving user engagement by 30%.
- Optimized key modules to achieve 100% crash-free sessions and boost user retention by 21%, contributing to a 4% monthly increase in billables and 70+ user acquisitions.

### Software Development Intern

Tekniko

June 2023 - September 2023

Noida, India

Student Tribe | [Android](#) | [iOS](#)

- Flutter | Firebase | GetX | REST API
- Rewrote & deployed a student platform offering internships, events, networking, and exclusive St.coins benefits, achieving 100K downloads with 12 Min avg. user engagement.
- Implemented real-time updates, article feeds, and group buy-in features to enhance student engagement and experience.

## EDUCATION

B.Tech. CSE

2019 - 2023

Lovely Professional University, Punjab

Higher Secondary

2018

D.A.V. Public School, New Delhi

## PROJECTS

### AI-Course Platform

- React | Node.js | Express | MongoDB | Docker | AWS | Google GenSKD | Langchain
- Developed a full-stack, AI-powered learning platform to auto-generate courses with rich media, interactive quizzes, and flashcards.
- Built a scalable backend with Node.js, Express, and MongoDB, featuring a secure REST API, JWT authentication, social logins, and integrated Google's Gen AI SDK.
- Created a dynamic, responsive frontend with React, TypeScript, and Tailwind CSS, and Shadcn UI for components.
- Deployed the application using a Docker and Docker Compose pipeline, automating deployments via Github-Action to AWS EC2 from Docker Hub.
- Integrated payment gateways like Razorpay and Flutterwave and built a subscription system.

## TECHNICAL EXPERIENCE

Languages: JavaScript, Python, Dart, TypeScript, SQL

Dev: Flutter, React - Next.js, Angular, Provider, Firebase, Hive,

Testing: Unit Testing, Integration Testing, UI Testing, Debugging, DevTools

Backend: Node & Express.js, Flask, FastAPI, REST APIs, Authentication, RBAC, GraphQL

Data & DSA: RDBMS, MongoDB, Redis, PostgreSQL, Data Structures, Algorithms, Problem Solving, OOPS

Cloud & DevOps: AWS (EC2, S3, SNS, WAF), Firebase, GitHub Actions, Docker, CI/CD, OTA Updates

Tools & Methodologies: Git, GitHub, Postman, Figma, Linux, Shell, Agile, SDLC, VS Code

## ACCOMPLISHMENTS

- AWS Certified Cloud Practitioner (Jan 2025 - Jan 2028)  
Credential ID: [ec77d3714b3648879b5b5897d50d948b](#)
- Got more than 7 million views on my 65+ technical articles on GeeksforGeeks [Articles Link](#)