

Suman Kumar Suman

Principal Software Engineer (Full-Stack & AWS Cloud) | Generative AI Practitioner

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Professional Summary

Versatile Principal Software Engineer with 13+ years of experience delivering robust, end-to-end solutions across **mobile, desktop, frontend, backend**, and **cloud** platforms. Proven track record in building scalable systems using **React, Node, Java**, and **AWS** serverless stack, with hands-on expertise in **data** engineering and **Generative AI** applications.

Led high-impact projects including WhatsApp-based commerce apps, GenAI-powered code reviewers, IoT-driven smart home platforms, and serverless data pipelines. Strong advocate for engineering excellence, clean architecture, and team mentorship, with a passion for leveraging AI and cloud-native tools to solve complex business challenges.

TECHNICAL SKILLS

Languages: Java, JavaScript, TypeScript, Python

Web & Mobile: React, React Native, iOS, Android

Backend: Node.js, Spring Boot, Express.js, Fast-API

Cloud Platforms: AWS GCP

AI/Data: Spark, Glue, DataBrew, DeltaLake, LangChain, LLM APIs, RAG

DevOps/Infra: Serverless Framework, GitLab CI/CD, CDK

Databases: RDS, MongoDB, Redis, DynamoDB

Protocols & APIs: REST, GraphQL, WebSockets, MQTT

Tools: Git, Jira, GitLab, Postman, Electron

Communication Languages: English, Hindi

PROFESSIONAL EXPERIENCE

Vectoscalar Technology Pvt. Ltd. – Noida

Software Engineer → Principal Engineer | Jan 2012 – Present

Led cross-functional teams to build and scale full-stack applications across mobile, web, and cloud environments. Contributed as both an individual contributor and technical lead in high-impact projects for product and service-based clients.

Key Contributions:

- Architected AWS-based serverless platforms for scalable data processing, ecommerce, gaming, and smart IoT.
 - Mentored and led a team of **10+ engineers**, ensuring high delivery standards and engineering growth.
 - Delivered production-grade solutions adopted by a **large number of end-users** and integrated across platforms.
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PROJECT HIGHLIGHTS

→ Configurable Serverless Data Platform

Role: Team Lead | Stack: AWS Glue, Spark, Python, Lambda, GenAI

Designed a fully serverless ETL platform that used GenAI for document extraction and configurable transformation via Excel-based rules. Scaled to process thousands of documents per day with high adaptability.

☆ *Reduced manual effort by 10X*

→ Parcel (WhatsApp Commerce)

Role: Team Lead | Stack: React Native, Node.js, AWS (AppSync, Lambda, DynamoDB)

Built a mobile-first ecommerce platform for local merchants, enabling customer orders directly through WhatsApp with the help of GenAI parsing.

☆ *Improved local commerce engagement*

→ CodeRabbit (GenAI Code Reviewer)

Role: Engineer | Stack: Node.js, React, GitLab API, OpenAI

Developed GitLab integration for a GenAI-powered pull request reviewer that provided

AI-generated feedback.

☆ *Automated code review cycles, saving significant engineer hours/month with quality*

→ **Josh Live & Chat (Dailyhunt)**

Role: Team Lead | Stack: iOS, Android, React Native SDKs, SendBird, Tencent

Developed embeddable SDKs for “Live” and “Chat” functionality used by Dailyhunt and Josh apps.

☆ *Deployed to 1M+ users..*

→ **Pokerbaazi Games (Desktop & Mobile)**

Role: Team Lead | Stack: Electron, React Native, Node.js, AWS Serverless

Built multiplayer game platform [Desktop app with electron] supporting poker tournament play, with real-time socket connections and animation layers.

☆ *Maintained >99% crashfree sessions*

→ **Smart Homes App (Smartlabs)**

Role: Senior Mobile Developer | Stack: React Native, AWS IoT, MQTT

Developed react native based mobile app to manage smart home devices using MQTT protocol and group device actions.

☆ *Connected multiple types of devices with seamless control and theming capability.*

→ **Juggernaut & Airtel Books**

Role: Lead Developer | Stack: iOS, Android, Node.js, DRM

Maintained a mobile eBook platform with secure DRM-protected reading experience. Built DRM from scratch.

☆ *Secured distribution of 10K+ digital books to paying users.*

→ **IBS ICargo**

Role: Backend Developer | Stack: Spring Boot

Created APIs to validate air cargo shipments against airport-specific embargo rules.

☆ *Increased API efficiency with custom rule engine.*

→ **UShip Transport Search Page**

Role: Full-Stack Developer | Stack: React, .NET Core

Built interactive search filters for transportation options based on location and cargo type.

→ **AMN Packet Generator (Healthcare)**

Role: Full-Stack Developer | Stack: React, .NET Core, Salesforce API

Built a document packaging tool that fetched user credentials from Salesforce and created downloadable PDFs for onboarding.

☆ *Saved recruiters 4x time in manual collation.*

→ **Ford Showcase iPad App**

Role: iOS Developer | Stack: Objective-c, UIKit

Enterprise tool for dealership floor staff to present vehicle features and details interactively.

EDUCATION

Post Graduate Diploma in Advanced Software Development

CDAC, Noida | Jan 2012

B.Tech in Information Technology

Rajasthan Technical University | Jan 2010