

# Rohitash Kator

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## Summary

Senior Full-Stack Software Engineer with 3+ years of experience building scalable backend systems, microservices, and API-driven platforms in production environments. Strong expertise in JavaScript/TypeScript, Node.js/Express.js, Nest.js, Docker, Kubernetes, microservices, and cloud-native architecture, with hands-on experience delivering modern front-end single-page applications using Angular and React.js. Proven background in FinTech, analytics platforms, and AI/LLM-powered document processing, with exposure to Python-based services in distributed systems. Adept at owning features end to end, optimizing performance, and delivering secure, maintainable solutions with measurable business impact.

## Skills

Languages: *JavaScript, TypeScript, Python, Java, Go, C++*  
Backend: *Node.js, Express, NestJS, Microservices, Flask*  
Front-End: *React.js, Angular, HTML5/CSS3*  
Databases: *PostgreSQL, MySQL, MongoDB*  
Concepts: *Data Structures & Algorithms, Object-Oriented Programming, System Design, Operating Systems*

Cloud: *AWS, Google Cloud(GCP), Docker, Kubernetes(K8s)*  
Testing: *Unit & Integration Testing, Jest, Code Coverage*  
Tools: *Git, GitHub, Jira, VS Code, DBBeaver*  
Soft Skills: *Communication, Leadership, Teamwork, Reasoning & Problem Solving, Adaptability, Time Management*

## Professional Experience

### Talentica Software

Software Engineer

Nov. 2024 – Present

Pune, IN (Remote)

#### Poll Management System (Internal / POC) | *Node.js, Express.js, JavaScript/TypeScript, React, Angular, MongoDB, REST APIs*

- Designed and developed production-grade poll management system with dynamic questions, real-time report, and role-based access.
- Built secure, scalable REST APIs using Node.js and Express.js to handle poll lifecycle management and voting workflows.
- Developed responsive user interfaces using both Angular and React, enabling flexible UI and consistent user experience across platforms.
- Integrated analytics and visualizations for poll results, improving insight delivery and user engagement.
- Emphasized modular architecture, code reusability, and scalability to support future product enhancements.

#### Julius Influencer Marketing & Campaign Platform (Client: Triller) | *Node.js, JavaScript/TypeScript, NestJS, Grind.js, Angular, MySQL, GraphQL, Redis, RabbitMQ, Elasticsearch, AWS*

- Worked across a microservices-based influencer marketing platform enabling brands and agencies to discover influencers, manage campaigns, ingest content, and measure performance across Instagram, TikTok, and X (Twitter).
- Contributed to multiple backend microservices focusing on campaign tracking, analytics accuracy, and system reliability.
- Designed and fixed campaign- and influencer status-driven tracking logic, ensuring active trackings were preserved during lifecycle transitions and analytics remained consistent across systems.
- Implemented Instagram Stories ingestion via Phyllo in a dedicated NestJS microservice, normalizing story media and metrics (reach, impressions) to replace brittle scrapers with a more reliable integration.
- Improved social data ingestion and collection tracking using CRON-based workflows and backfill logic, ensuring historical data was incorporated into reach and engagement graphs without double-counting.
- Enhanced a GraphQL-based reporting service for analytics and payouts, adding schema fields, improving deliverable traceability, and integrating Prometheus metrics for observability.
- Strengthened reliability and rollout safety using feature flags, safer defaults, tuned CRON schedules, and unit/integration testing, while resolving production issues related to data integrity.
- Contributed to frontend and admin experiences (Angular + legacy web) by aligning UI behavior with backend rules, adding warnings for risky operations, and ensuring marketer-visible metrics matched backend calculations.

#### Real-Time Chat Application (Internal / POC) | *NestJS, JavaScript/TypeScript, Angular, PostgreSQL, Socket.IO, TypeORM, JWT*

- Designed and developed a full-stack real-time chat application using NestJS and Angular, enabling authenticated users to communicate via WebSockets with low-latency message delivery.
- Implemented JWT-based authentication for REST APIs and Socket.IO connections, supporting secure room access, message publishing, and read/delivery status tracking.
- Designed a relational PostgreSQL schema (users, rooms, memberships, messages, message\_status) using TypeORM with migrations and seed scripts for production-ready database management.
- Built a Socket.IO gateway to manage room join/leave events, real-time messaging, typing indicators, online presence, and message state synchronization.
- Applied clean architecture and domain-driven structuring, separating authentication, room management, messaging, and real-time gateways into independent modules.
- Added production-readiness features including rate limiting, health checks, structured logging, and automated tests to improve system robustness.
- Designed the system with horizontal scalability in mind, enabling stateless REST services and scalable WebSocket gateways with clear paths for shared adapters (e.g., Redis).
- Developed a responsive Angular SPA integrating REST APIs and WebSockets, handling authentication flows, room management, and live message streams.

## Eternalight Infotech

Software Engineer

Feb. 2024 – Nov. 2024

Pune, IN (Remote)

### FamO Money – FinTech Platform (Client: FamO) | Node.js, NestJS, React.js, PostgreSQL, TypeORM

- Contributed to the development of a FinTech platform that enables families to track investments across mutual funds, equities, bonds, real estate, gold, stocks, and private deals.
- Built backend features including family onboarding, deal digests, real-time discussions, messaging, and push notifications to support collaborative financial planning.
- Integrated real-time market data APIs to compute portfolio valuation, profit/loss, and actionable investment insights.
- Designed scalable database schemas and developed secure, high-performance APIs for financial operations.

### Contract Note Parser (Client: FamO) | Python, Flask, PostgreSQL, AWS Textract, OpenAI, LLMs

- Designed and developed a document-processing service to parse broker contract notes and extract structured transaction data from PDFs.
- Implemented Python multi-threading and page chunking (processing PDFs in batches of 10 pages) to significantly improve throughput and reduce end-to-end processing time.
- Leveraged OCR and LLM-based extraction technologies to achieve more than 95% accuracy across varied document formats.
- Implemented validation workflows prior to database persistence, reducing manual data entry by more than 90% and improving operational efficiency.

## SpringML Inc.

Cloud Engineer

Jul. 2022 – Nov. 2023

Hyderabad, IN (Remote)

### Vehicle Crash Analytics Platform | Node.js, Angular, Python, Flask, MySQL, Google Cloud

- Built dynamic, filterable analytics tables with de-bounced search to enhance data exploration and usability.
- Implemented export-to-PDF functionality and delivered UI enhancements and bug fixes to improve reporting and user experience.

### MGIC DocAI - Invoice Parser | Angular, Python, Flask, Vertex AI, PostgreSQL

- Designed and developed an AI-powered invoice parsing system to extract structured data from diverse invoice formats.
- Built a full-stack solution with an Angular front end and Flask backend, including pre-validation logic to ensure data quality before persistence.
- Streamlined document processing workflows, significantly reducing manual review efforts.

### Cloud Infrastructure & Analytics

- Managed GCP IAM configurations to enforce least-privilege access and maintain security best practices.
- Built interactive dashboards using Looker and Looker Studio to deliver real-time insights to stakeholders.
- Supported scalability and performance optimization of cloud infrastructure across multiple projects.

## Internships

### iLink Digital

Software Engineer Consultant

Jan. 2022 – Mar. 2022

Pune, IN (Remote)

- Developed RESTful APIs using Python, Flask, and Django for a data-driven analytics platform.
- Built real-time dashboards using Grafana integrated with PostgreSQL and Elasticsearch.

### Jivirus Technologies

Software Developer

May 2021 – Nov. 2021

Bangalore, IN (Remote)

- Developed a proctoring feature for online assessments, including camera tracking, screen monitoring, and secure media storage.
- Integrated Google Drive and Maps APIs to support scalable storage and geolocation features.

## Education

### National Institute of Technology (NIT), Andhra Pradesh

Bachelor of Technology (B.Tech) in Computer Science and Engineering

Aug. 2018 – Jun. 2022

Tadepalligudem, IN

## Key Strengths

- Scalable backend and microservices architecture.
- Full-Stack delivery using MERN and MEAN.
- Cloud-native development on AWS and GCP.
- FinTech and AI-driven document processing systems.
- Strong ownership, reliability, and performance focus.