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Summary

Backend Senior Software Engineer with **5 years of experience** building **Node.js services for telecom systems**. Develop **REST and SOAP integrations, microservices, asynchronous workflows, and service orchestration** using **Node.js, Moleculer.js, PostgreSQL, Kafka, Redis, BullMQ, Docker, and AWS**. Own work from technical design and API development through testing, CI/CD, deployment, and production support. **Promoted to Senior Software Engineer** with experience working with architects, customers, and external network-device vendors.

Technical Skills

Languages: JavaScript, SQL

Backend: Node.js, Moleculer.js, Express.js, REST APIs, SOAP APIs

Architecture: Microservices, Distributed Systems, Service Orchestration, Asynchronous Processing

Data: PostgreSQL, MongoDB, Redis

Messaging: Apache Kafka, BullMQ, Redis

Cloud / DevOps: AWS, Docker, CI/CD, Bitbucket Pipelines

Testing: Jest, Postman, API Testing

Version Control: Git, Bitbucket, GitHub

Telecom: TM Forum Standards, Service Enablement, Device Integration, Service Lifecycle Management

AI-Assisted Development: Claude Code, Kiro, ChatGPT

Experience

Innovation Incubator Advisory Pvt Ltd

Senior Software Engineer

November 2021 – Present

Trivandrum, Kerala

- **Lead backend development** for a telecom service enablement platform using **Node.js, Moleculer.js, and PostgreSQL**.
- **Modernized legacy telecom workflows into Node.js microservices**, improving maintainability and scalability across service activation, temporary disconnect/reconnect, and service lifecycle operations.
- **Reduced manual operational effort by 70%** by designing and implementing an internal monitoring and analytics application with application logging, third-party log integrations, and health monitoring.
- **Improved user experience by up to 40%** through Node.js microservices that streamlined telecom service workflows and backend processing.
- Built **REST and SOAP integrations** with **Nokia, Adtran, Calix, and Metaswitch** network devices, implementing vendor-specific provisioning and service-management workflows.
- Implemented **asynchronous processing with Kafka, BullMQ, and Redis** for concurrent and long-running telecom operations, including retries and failure handling.
- Designed **validation, reconciliation, and error-handling workflows** to maintain consistency between internal service orders and external network-device state.
- Owned backend delivery across **requirements analysis, technical design, development, testing, code review, CI/CD, deployment, and production support**.
- **Mentored peer developers** through code reviews, debugging, and technical guidance on Node.js microservices and backend design, while working directly with **enterprise architects, customers, and telecom vendors** to gather requirements, troubleshoot integrations, conduct technical demonstrations, and deliver production changes.

Key Project

CDG SAM 2.0 | Node.js, Moleculer.js, Kafka, BullMQ, Redis, PostgreSQL, AWS, Docker

- Developed backend services for **telecom service enablement and lifecycle workflows**, including service activation and temporary disconnect/reconnect.
- Integrated **heterogeneous network devices through REST and SOAP APIs** and implemented **asynchronous job orchestration, retries, validation, reconciliation, and failure handling**.
- **Applied TM Forum-aligned service management concepts and standards** within telecom service enablement workflows to support consistent service lifecycle operations and interoperability.
- **Used AI-assisted development tools such as Claude Code, Kiro, and ChatGPT** to accelerate implementation, investigate production issues, refactor code, generate test cases, review implementations, and improve developer productivity.

Maia Care | *Node.js, Flutter, REST APIs, Git*

- **Developed cross-platform Flutter applications** for web, iOS, and Android, delivering responsive interfaces and consistent application behavior across platforms.
- **Integrated REST APIs** with Flutter applications and implemented efficient data handling, API communication, error handling, and state management.

Education

Indira Gandhi National Open University

Graduated June 2026

Master of Computer Applications (MCA)

New Delhi, India

- **Relevant Coursework:** Artificial Intelligence, Cloud Computing, Mobile Computing, Data Science

NSS College Rajakumari

Graduated April 2021

Bachelor of Computer Applications (BCA)

Idukki, Kerala

- **Relevant Coursework:** Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems, Computer Networks, Operating Systems

Achievements

- **Promotion:** Promoted to Senior Software Engineer based on consistent delivery, technical expertise in distributed microservices, ownership of telecom integrations, and peer mentorship.
- **Awards:** Employee of the month - April 2026
- **Certification:** Node.js, Express, MongoDB & More: The Complete Bootcamp.