Raghunath Das

Software Development Engineer 2 | Node.js | TypeScript

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SUMMARY

Backend Software Engineer with 8+ years of experience developing scalable backend services, high-volume RESTful APIs, and SaaS applications with NestJS, MySQL, MongoDB, Redis, BullMQ, and GCP Pub/Sub.

SKILLS

- **Backend Skills:** JavaScript, TypeScript, Node.js, NestJS, PHP, BullMQ, GCP Pub/Sub
- **Databases & Caching:** MySQL, ClickhouseDB, MongoDB, Redis
- **DevOps & Monitoring:** Git, GCP, CI/CD, Grafana
- **Professional Skills:** Time Management, PR Review

WORK EXPERIENCE

SDE-2 (Backend Software Engineer), SaaS Labs Software Pvt. Ltd. — Jul 2022 - Present

- Developed high-performance Node.js backend services with TypeScript and NestJS for asynchronous CSV contact processing, integrating Redis, MySQL, and GCP Pub/Sub to validate and sanitize contact data, process account-level records and custom fields, manage duplicate contacts according to configuration, retry failed batches, record invalid data, and deliver Firebase notifications.
- Contributed backend components for a Twilio-powered real-time Sales Dialer platform using NestJS, MySQL, MongoDB, ClickHouse, Redis, GCP Pub/Sub, and Firebase, supporting Power, Dynamic, and Predictive Dialer workflows with campaign-based contact sequencing, shared contact pools, reattempt scheduling, automated workflows, and configurable multi-line calling.
- Designed and maintained responsive APIs and live monitoring workflows for agent campaign states, covering campaign initiation, cool-off periods, contact dialing, active calls, after-call work, pausing, resuming, and termination; collaborated with frontend developers to integrate campaign, account, contact, dialer, Twilio lookup, outcome, and scheduling functionality.
- Strengthened data synchronization by creating idempotent integrations with HubSpot, Salesforce, and Salesloft; diagnosed defects and improved API responsiveness through TypeORM/MySQL query optimization, indexing, Redis caching, asynchronous processing, and concurrency tuning, while migrating 50+ PHP APIs to reusable TypeScript/NestJS services and achieving 60–70% higher synchronization efficiency and 40–50% faster API performance.

Assistant Manager (IT), NTPC Limited — Sep 2016 - Aug 2020

- Engineered and maintained server-side workflow applications with PHP, JavaScript, HTML, CSS, and MS SQL Server, enabling reliable and responsive front-end integrations for business processes.
- Translated business requirements into testable, reusable, and efficient application components while managing database interactions, troubleshooting defects, and supporting production-ready software delivery.
- Led end-to-end development, including requirements analysis, coding, technical support, and defect resolution, across multiple engineering initiatives.
- Improved project execution by coordinating concurrent deliverables, documenting application workflows and database schemas, and recommending technology and process enhancements that strengthened maintainability and operational efficiency.

EDUCATION

M.Tech in Computer Science & Engineering, IIT Bombay — Aug 2020 - Jul 2022

Mumbai, Maharashtra, India

M.Tech • Computer Science & Engineering • 2020 - 2022

B.Tech in Computer Science & Engineering, Jalpaiguri Government Engineering College — Aug 2010 - Aug 2014

Jalpaiguri, West Bengal, India

B.Tech • Computer Science & Engineering • 2010 - 2014