SURAJ KUMAR SHARMA

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SUMMARY

Node.js Developer with **3+ years** of experience delivering scalable applications for $9.5M projects. Led backend development for global clients, achieving 99% system uptime. Expertise in Node.js, Express.js, Reactjs, SQL, and Azure Cloud.

SKILLS

Programming & Scripting: JavaScript, SQL, HTML5, CSS, TypeScript
Web & Frameworks: Node.js, Express, Sequelize (ORM), React js, Redux, Next.js, Tailwind CSS, Jest
Database Systems: RDBMS, SQL Server, PostgreSQL, MySQL, Redis, SAP HANA
Cloud & DevOps: Azure, SAP BTP, Docker, Kafka, Azure Functions, Git, GitHub, BitBucket, Azure DevOps, Jira
Software Practices: RESTful APIs, Microservices Architecture, Design Patterns, Data Modeling, Agile (SCRUM), TDD

EXPERIENCE

Incture Technologies   **Bengaluru, India**
Software Engineer   Jul 2023 - Present

Project: Price Card Harmonization – NTUC FairPrice
Role: Solutioning and Backend Development
Team Size: 15

Architected Price Card Automation System

- Architected backend development to automate PPTX price card generation for 800+ users across 400+ stores, leveraging 1,000+ templates in SAP Document Management Service (DMS).
- Developed and managed 50+ OData APIs for seamless web and mobile app integration using SAP CAP.
- Engineered a JavaScript solution to generate 1,000+ slides in under 2 minutes, applying newly acquired knowledge of SAP HANA, **SAP BTP**, and **SAP CAPM**.
- Led a team of 5 in template creation and testing, ensuring timely delivery and quality.
- Conducted requirements analysis and maintained direct communication with the client to align solutions with project goals.

Project: Hino Ultimate Portal - Hino Motors Sales, USA
Role: Node.js Lead Backend
Team Size: 12

Production Support and Enhancements

- Directed a 6-member team in production support, achieving 95% SLAs through system monitoring, root cause analysis, and automation of support tasks.
- Managed over 100 change requests, documented business requirements, and created technical documentation to streamline peer onboarding and minimize errors.
- Configured new logic to onboard Canadian users, scaling the platform to handle a 20% increase in user base.

Product: Accounts Payable Automation
Role: Frontend Developer
Team Size: 8

ReactJS UI Component Development

- Developed 5+ **ReactJS** components, including a Kanban board and API health check module, enhancing product visibility and usability.

Associate Software Engineer   Nov 2021 - Jun 2023
Project: Hino Ultimate Portal - Hino Motors Sales, USA
Role: Node.js Backend Developer
Team Size: 8

Backend Development

- Engineered backend solution for managing over 20,000 **IoT**-connected trucks, supporting 5,000+ users with features like location history for trip tracking, telematics subscription management, and fault management for real-time truck diagnostics.
- Integrated real-time telemetry processing (fuel level, GPS, engine RPM) every 2 minutes for 20,000+ IoT trucks, managing 2TB+ of data.
- Optimized 2TB+ database with 60+ procedures and 100+ tables.
- Utilized **Redis** and **Azure Cosmos DB** for caching repetitive data, significantly improving system performance.
- Integrated 5+ leading Telematics Service Providers (TSPs), including **Geotab** and **Mix Telematics**, for real-time data exchange.
- Implemented geofencing functionality for over 500 dealers across USA to monitor dealer locations, enhancing dealer interaction and truck servicing.
- Optimized system performance and scalability by processing 50M+ concurrent messages using **Azure Event Grid** and **Queues**, maintaining efficient communication between trucks and the portal.
- Employed **Azure Blob Storage** for storing large-scale raw JSON files, handling massive telemetry data volumes efficiently.

Message Broker Migration

- Resolved a critical RabbitMQ bug, restoring uninterrupted telemetry data flow from BOSCH's upstream system.
- Led a full migration from **RabbitMQ** to **Kafka**, handling 50M+ daily messages. Built Kafka consumers using **Azure Function Apps** and reduced message delays from 2 minutes to 60ms, achieving **99% uptime** with zero bugs.
- Configured automatic scaling for **Azure Functions**, maintaining performance under heavy loads.
- Delivered the solution in 6 months, overcoming technical constraints and enhancing data processing efficiency.

Cloud Integration and Infrastructure

- Used **Azure App Service** for scalable web applications and Azure **SQL** DB for managing telemetry data.
- Implemented Azure **API Management**, Azure Functions (HTTP Triggered, Timer, Event Triggered, Service Bus), and Azure Event Grid for secure, scalable event-based processing, improving uptime by 99%.
- Integrated Azure Service Bus/Queues for reliable messaging and Azure **Event Grid** for event-driven processes.
- Implemented role-based access control with **Azure Active Directory (AAD)** for both B2C and B2B users.

Mentorship and Collaboration

- Conducted code reviews and peer programming, mentoring 30+ peers in **Node.js** best practices.

Associate Software Engineer - Trainee   Aug 2021 - Oct 2021

- Acquired fundamental skills in **Azure Cloud Services** and **Data Engineering**.

EDUCATION

Bachelor of Engineering in Computer Science and Engineering   Jul 2018 - Apr 2021
Coimbatore Institute of Technology