

Harsha V
Sr Node JS Developer
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Objective:

Results-driven Senior Node.js Developer with 8+ years of IT experience and over 6 years of expertise in Node.js building scalable, secure, and high-performance applications. Specialized in developing and deploying RESTful APIs and microservices on Azure cloud (App Services, Functions, API Management, Key Vault, Blob Storage, Azure Monitor, and DevOps Pipelines) and Linux-based environments. Skilled in brownfield and greenfield development, enhancing SLA-driven enterprise applications while modernizing them with cloud-native architectures. Proficient in OAuth2, JWT, and OpenIDC-based security, database optimization (PostgreSQL, MongoDB, Redis), and resilience patterns (circuit breakers, retries, rate limiting). Adept at CI/CD automation, containerization with Docker, Kubernetes (AKS/EKS), and observability with Azure Monitor, Grafana, and ELK. Seeking to contribute deep expertise in Node.js, Azure, and SLA-focused solutions to drive reliability, scalability, and business value in enterprise applications.

Key Skills:

- Senior Full Stack / Node.js Developer with 8+ years of IT experience delivering scalable, secure, and enterprise-grade applications.
- 6+ years of hands-on Node.js expertise building high-performance backend services, APIs, and microservices.
- Proficient in Express.js and NestJS frameworks for developing modular, testable, and maintainable Node.js applications.
- Strong expertise in Azure Cloud – including App Services, Azure Functions, API Management, Blob Storage, and Key Vault.
- Experienced in deploying Node.js applications on Linux environments, optimizing for high throughput and low latency.
- Skilled in RESTful API design, GraphQL services, and WebSockets for real-time communication.
- Designed and implemented microservices architectures, focusing on scalability, resilience, and modularity.
- Proficient in brownfield development, enhancing legacy enterprise applications while modernizing to cloud-native platforms.
- Implemented resilience engineering patterns – retry logic, circuit breakers, rate limiting, and graceful degradation.
- Expertise in OAuth2, JWT, RBAC, and OpenIDC for secure identity and access management.
- Designed and optimized SQL and NoSQL databases – PostgreSQL, MySQL, MongoDB, and Redis.
- Strong knowledge of query optimization, indexing, and schema design for performance improvement.
- Developed event-driven microservices using Apache Kafka, RabbitMQ, AWS SQS/SNS for asynchronous processing.
- Skilled in CI/CD pipeline automation using Azure DevOps Pipelines, Jenkins, GitLab CI/CD, and GitHub Actions.
- Automated deployments to Azure App Services and AKS (Azure Kubernetes Service) for scalable workloads.
- Experienced in Docker containerization and orchestration with Kubernetes (AKS, EKS) and Helm.

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- Proficient in serverless computing with Azure Functions and AWS Lambda for event-driven workloads.
- Strong expertise in API Gateway solutions – Azure API Management, AWS API Gateway, Spring Cloud Gateway.
- Hands-on with Infrastructure as Code (IaC) tools like Terraform, Helm, and Azure ARM templates.
- Skilled in monitoring and observability using Azure Monitor, Log Analytics, Prometheus, Grafana, ELK Stack, and Datadog.
- Applied performance tuning techniques, including profiling, caching, and load testing with JMeter and k6.
- Built secure APIs with CORS, HTTPS, CSRF protection, and secure headers for compliance and data integrity.
- Experienced in zero-downtime deployments, rolling updates, and blue-green deployments in Azure.
- Implemented API versioning and backward compatibility for evolving enterprise services.
- Familiar with SLA-driven application design, ensuring uptime, monitoring, and proactive alerting.
- Integrated Azure Key Vault for managing secrets, certificates, and encryption keys securely.
- Used Azure Blob Storage and CDN for handling large-scale content delivery.
- Experienced in load balancing and auto-scaling Node.js workloads on cloud platforms.
- Strong background in unit, integration, and API testing with Jest, Mocha, Chai, JUnit, and REST Assured.
- Skilled in documenting APIs with Swagger/OpenAPI for easy integration across teams.
- Collaborated in Agile/Scrum teams, actively participating in sprint planning, retrospectives, and backlog grooming.
- Mentored junior developers in Node.js best practices, cloud deployments, and microservices design.
- Hands-on experience in cross-cloud deployments with AWS and Azure for hybrid cloud strategies.
- Strong knowledge of DevOps practices, Git, branching strategies, and release automation.
- Experienced in business process efficiency improvements, aligning technical solutions to SLA and business goals.
- Quick learner, adaptive to new technologies, and passionate about delivering secure, reliable, and SLA-compliant software.

Education:

- Bachelor's in mechanical From Gitam University Bangalore.
- Master of Computer Science from University of Bridgeport, Bridgeport

Technical Skills:

Operating Systems	Windows 10/11, MacOS, Linux (Ubuntu, CentOS)
Web Technologies	HTML5, CSS3, SCSS, JavaScript (ES6+), TypeScript, JSON, AJAX, XML, DOM, Responsive Web Design, Bootstrap, Material UI, Tailwind CSS
Programming and Scripting Languages	JavaScript (ES6+), TypeScript, Node.js, Java SE/EE, Python, SQL, Shell Scripting

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Java Frameworks and Tools	Spring Boot, Spring Cloud, Spring MVC, Spring Cloud Config, Spring Cloud Gateway, Zuul, Eureka, Maven, Gradle
Backend Frameworks / Technologies:	Node.js (Express.js, NestJS), RESTful API Development, GraphQL (Apollo, Hasura), WebSockets, Microservices Architecture, Serverless (Azure Functions, AWS Lambda), API Gateway (Azure API Management, AWS API Gateway, Spring Cloud Gateway)
Frontend Frameworks / Libraries:	ReactJS (Hooks, Redux, Context API), Next.js (SSR, SSG, ISR, API Routes), AngularJS, Vue.js, jQuery
Authentication & Security	OAuth2, JWT, RBAC, OpenIDC, NextAuth.js, Secure Headers, HTTPS, CSRF Protection, CORS, Encryption & Key Management (Azure Key Vault, AWS KMS)
Cloud services	Azure: App Services, Functions, API Management, Key Vault, Blob Storage, Azure DevOps Pipelines, Azure Monitor, Log Analytics, Azure CDN, AKS (Kubernetes) AWS: Lambda, API Gateway, S3, DynamoDB, RDS, ECS, EKS, CloudFront, CloudWatch, SQS, SNS, CodePipeline
IoT & Device Integration	MQTT, WebSockets, REST/MQ-based device APIs, Secure device onboarding, Edge data processing
Messaging & Event Streaming	Apache Kafka, RabbitMQ, AWS SQS/SNS, MQTT, EventBridge
UI Frameworks / Libraries	React JS, AngularJS, Next JS, Node JS, Bootstrap, Material UI, jQuery UI, Redux, VueJS, Flask
IDE, Editors, Software	Visual Studio, VS Code, Eclipse IDE, Notepad++, IDLE, Sublime, Brackets, WebStorm
Design & Prototyping Tools	Figma, Photoshop, Sketch, Adobe XD
API Gateways	AWS API Gateway, Azure API Management, Spring Cloud Gateway, Zuul, Kong
Testing Tools and Frameworks	Jest, Mocha, Chai, Cypress, Playwright, JUnit, Mockito, REST Assured, Postman, Swagger/OpenAPI
Database	Relational: PostgreSQL, MySQL, SQL Server NoSQL: MongoDB, Redis, DynamoDB Query Optimization, Indexing, Schema Design
Version Control/DevOps Tools	Git, Bitbucket, Jenkins, GitLab CI, SVN, CVS, Docker, Kubernetes (EKS, AKS), Terraform, Helm, CodePipeline, CodeDeploy
Containerization & Orchestration	Docker, Kubernetes (AKS, EKS), Helm, Terraform, Azure ARM Templates
Performance and Load Testing	JMeter, k6, Code Profiling, Caching, Query Tuning
Monitoring and Observability	Azure Monitor, Log Analytics, Prometheus, Grafana, ELK Stack, Datadog, OpenTelemetry, Jaeger
CI/CD & DevOps Tools	Azure DevOps Pipelines, Jenkins, GitLab CI/CD, GitHub Actions, Bitbucket Pipelines, Git, GitFlow branching strategy
Build Tools and Automation tools	npm, Yarn, Maven, Gradle, Webpack, Babel, Gulp
Web Servers	HTTP Web Server, NGINX, Apache
Methodologies	Agile (Scrum, Kanban), Test Driven Development (TDD), Continuous Integration & Delivery (CI/CD), Brownfield & Greenfield Development

Professional Experience:

Role: Senior Node JS Developer

May 2023 to till date

Client: Wells Fargo, New York

Responsibilities:

- Designed and developed scalable Node.js microservices using Express.js and NestJS with a focus on performance and SLA compliance.
- Built and consumed RESTful APIs and GraphQL endpoints, securing them with OAuth2, JWT, RBAC, and OpenIDC.
- Migrated brownfield legacy modules to Azure-based microservices, ensuring modernization while maintaining existing SLAs.
- Deployed Node.js applications on Azure App Services and AKS (Kubernetes) for high availability and scalability.
- Integrated Azure API Management for routing, throttling, rate limiting, and centralized API governance.
- Secured application credentials and keys using Azure Key Vault with automated rotation and access policies.
- Leveraged Azure Functions for event-driven, serverless workloads including notifications and lightweight processing.
- Implemented circuit breakers, retries, and fallback mechanisms to ensure resilience in critical SLA-based services.
- Optimized PostgreSQL, MongoDB, and Redis queries and schemas to support high-traffic workloads.
- Improved API latency by implementing caching strategies and query indexing.
- Set up CI/CD pipelines in Azure DevOps for automated builds, tests, and deployments with zero downtime.
- Containerized Node.js services with Docker and orchestrated deployments via AKS (Helm charts).
- Designed and deployed event-driven systems with Apache Kafka and Azure Event Hubs for asynchronous workflows.
- Conducted performance and load testing using JMeter and k6, validating SLA-driven response times.
- Monitored services with Azure Monitor, Log Analytics, Grafana, Prometheus, and ELK Stack for proactive incident resolution.
- Established alerts and dashboards in Azure Monitor to track SLA breaches and response metrics.
- Automated infrastructure provisioning with Terraform and Azure ARM templates for reproducible environments.
- Developed serverless integrations using Azure Functions and AWS Lambda for lightweight processing.

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- Configured and deployed Node.js APIs on Linux-based Azure App Services and AKS containers, ensuring consistent performance and stability.
- Enhanced SLA compliance by implementing real-time monitoring, automated alerts, and proactive issue resolution through Azure Monitor and Grafana.
- Worked on Spring Boot and Spring Cloud services for hybrid architecture alongside Node.js.
- Integrated Spring Cloud Config and Eureka for configuration management and service discovery in Java microservices.
- Collaborated with QA teams to automate API testing using Postman, REST Assured, and Swagger/OpenAPI.
- Ensured security compliance by implementing secure headers, HTTPS, CORS policies, and vulnerability scans.
- Conducted code profiling and optimization, reducing response times and improving throughput.
- Mentored junior developers on Node.js, Azure deployment, and resilience patterns.
- Participated in Agile/Scrum ceremonies, providing architectural guidance and aligning delivery with SLA/business requirements.

Environments: Azure (App Services, Functions, API Management, Key Vault, Blob Storage, Azure DevOps Pipelines, Azure Monitor, Log Analytics, AKS), Node.js (Express.js, NestJS), TypeScript, GraphQL (Apollo), PostgreSQL, MongoDB, Redis, Apache Kafka, Azure Event Hubs, Docker, Kubernetes (AKS/EKS), Helm, Terraform, Jenkins, GitLab CI/CD, Spring Boot, Spring Cloud (Config, Eureka, Gateway), OAuth2, JWT, OpenIDC, REST Assured, Jest, Mocha, Chai, Prometheus, Grafana, ELK Stack, Datadog, JMeter, k6, Agile/Scrum.

Node JS Developer

June 2021 to Sep 2022

Client: eBay Inc, Hyderabad, India

Responsibilities:

- Developed and maintained high-performance marketplace applications with Node.js (6+ years' expertise) using Express.js for backend microservices.
- Built SEO-optimized frontend pages using Next.js (SSR, SSG, ISR) integrated with Node.js APIs.
- Designed and consumed RESTful APIs and GraphQL endpoints, securing them with OAuth2, JWT, RBAC, and OpenIDC.
- Migrated legacy Java/AngularJS services into modern Node.js + Next.js + Azure microservices for improved scalability.
- Deployed services on Azure App Services and orchestrated Node.js microservices in Azure Kubernetes Service (AKS).
- Implemented Azure API Management for request routing, rate limiting, and security enforcement.
- Secured secrets and connection strings in Azure Key Vault with automated key rotation.
- Leveraged Azure Functions for asynchronous background processing tasks.
- Designed event-driven workflows using Apache Kafka and Azure Event Hubs for real-time data processing.

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- Implemented resilience patterns (circuit breakers, retries, backoff strategies) to maintain SLA targets.
- Optimized PostgreSQL and MongoDB queries with indexing and schema tuning for low-latency access.
- Applied caching strategies using Redis to improve API response times.
- Automated builds and deployments with Azure DevOps pipelines, integrating linting, unit tests, and deployments.
- Containerized Node.js applications with Docker and deployed them in AKS/ECS clusters.
- Configured Spring Cloud Config and Eureka for Java microservices alongside Node.js services.
- Conducted unit and integration testing using Jest, Mocha, Chai, and REST Assured.
- Monitored performance using Azure Monitor, Grafana, Prometheus, and ELK Stack to proactively resolve incidents.
- Conducted load testing with JMeter and k6 to validate system performance against SLA benchmarks.
- Managed Node.js microservices on Linux servers within Azure AKS, applying optimizations for low-latency marketplace transactions.
- Improved marketplace reliability and SLA adherence by setting up SLA-focused monitoring dashboards and incident workflows using Azure Monitor and ELK Stack.
- Documented APIs with Swagger/OpenAPI for collaboration across cross-functional teams.
- Worked in an Agile/Scrum environment, collaborating with global teams and mentoring junior developers in Node.js best practices.
- Collaborated with DevOps teams to ensure zero-downtime deployments and faster release cycles.
- Delivered features improving SLA management, uptime, and marketplace reliability across buyer-seller interactions.

Environment: Azure (App Services, Functions, API Management, Key Vault, Azure Monitor, Log Analytics, AKS, Azure DevOps Pipelines), Node.js (Express.js), Next.js, ReactJS, TypeScript, GraphQL (Apollo), PostgreSQL, MongoDB, Redis, Apache Kafka, Azure Event Hubs, Docker, Kubernetes (AKS/ECS), Terraform, Jenkins, GitLab CI/CD, AWS (ECS, Lambda, API Gateway, CloudFront, CloudWatch, SQS, SNS), Spring Boot, Spring Cloud (Config, Eureka, Gateway), OAuth2, JWT, OpenIDC, Jest, Mocha, Chai, REST Assured, Swagger/OpenAPI, Prometheus, Grafana, ELK Stack, JMeter, k6.

Node JS Developer

Mar 2018 to May 2021

Client: Transamerica, Cedar Rapids, IA

Responsibilities:

- Developed customer-facing dashboards and portals using Next.js with SSR, SSG, and ISR, integrated with Node.js APIs.
- Built backend microservices with Node.js (6+ years' expertise) using Express.js for high-performance API delivery.

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- Designed and implemented RESTful APIs and GraphQL services, securing endpoints with OAuth2, JWT, RBAC, and OpenIDC.
- Migrated existing Java/monolithic services to Azure-based Node.js microservices, reducing operational overhead and improving scalability.
- Deployed services on Azure App Services and AKS (Azure Kubernetes Service) with automated scaling and monitoring.
- Integrated Azure API Management for request routing, throttling, and centralized API governance.
- Managed secrets and certificates using Azure Key Vault for secure application access.
- Built serverless workflows with Azure Functions for notifications and lightweight event-driven processes.
- Designed event-driven workflows using Apache Kafka, RabbitMQ, and Azure Event Hubs for real-time processing.
- Applied resilience engineering with circuit breakers, retries, and fallback mechanisms to ensure SLA adherence.
- Optimized relational and NoSQL databases (PostgreSQL, MongoDB, MySQL) for faster query execution.
- Implemented Redis caching to enhance application performance under peak loads.
- Automated builds and deployments using Azure DevOps Pipelines and Jenkins, enabling CI/CD with minimal downtime.
- Containerized applications with Docker and orchestrated deployments in AKS and Kubernetes clusters.
- Integrated Spring Boot and Spring Cloud services (Config, Eureka, Gateway) alongside Node.js services for hybrid architecture.
- Conducted unit testing and integration testing with Jest, Mocha, Chai, JUnit, and REST Assured.
- Set up monitoring and observability with Azure Monitor, Prometheus, Grafana, ELK Stack, and Datadog.
- Deployed Node.js workloads on Linux-based Azure Kubernetes clusters, ensuring high availability and compliance with enterprise SLAs.
- Collaborated with business stakeholders to track SLA metrics and implemented alerting mechanisms to minimize SLA breaches across critical services.
- Performed load testing with JMeter to validate SLA-driven system stability under peak usage.
- Documented and versioned APIs with Swagger/OpenAPI, ensuring smooth cross-team integrations.
- Collaborated with product, QA, and DevOps teams in an Agile/Scrum environment, delivering SLA-focused releases.
- Mentored junior developers on Node.js best practices, Azure deployment strategies, and microservices design.

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Environment: Next.js, ReactJS, Node.js, Java (Spring Boot, Spring Cloud), PostgreSQL, MongoDB, MySQL, Kafka, AWS, Azure, Docker, Jenkins, Maven, Gradle, REST Assured, JUnit, Mockito, Prometheus, Grafana, ELK Stack, JMeter.

Role: Software Developer

Jan 2016 to Feb 2018

Client: H&R Block

Responsibilities:

- Developed marketing and client portal pages using Next.js and ReactJS with SSR and SSG for SEO optimization.
- Built reusable UI components using ReactJS, Hooks, and Material UI for consistent branding.
- Implemented dynamic routing and integrated APIs with backend services.
- Enhanced interactivity using JavaScript, TypeScript, and jQuery.
- Designed layouts with HTML5, CSS3, SCSS, and Bootstrap for mobile compatibility.
- Integrated secure authentication flows with JWT and OAuth2.
- Developed and consumed REST APIs for real-time tax updates and payment processing.
- Created optimized MySQL schemas and stored procedures.
- Validated APIs using Postman and Swagger/OpenAPI.
- Implemented frontend performance optimizations such as code splitting and lazy loading.
- Configured build processes with Webpack, npm scripts, and Gulp.
- Participated in Agile/Scrum ceremonies for iterative delivery.

Environment: Next.js, ReactJS, JavaScript, TypeScript, MySQL, Node.js, REST API, JWT, OAuth2, Swagger/OpenAPI.