

JOSHUA NELSON

Node JS Developer | Service-Oriented Architecture | Analytical Thinker

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SUMMARY

With 8 years of technical experience, I am an analytical and skilled Node JS Developer proficient in Typescript, service-oriented architecture, and API integration. My greatest career achievement includes architecting a scalable application for over 500,000 daily requests.

EXPERIENCE

Senior Node.js Developer

TechSolutions Inc.

- 06/2018 - Present Dallas, Texas
- Architected and implemented a highly scalable service using Node.js and Typescript, servicing over 500,000 requests daily with 99.99% uptime.
 - Led the development of a secure OAuth2.0-based authentication mechanism, improving system security and reducing unauthorized access by 40%.
 - Designed and built a robust session management system that supported a distributed environment, increasing user retention by 15% within the first quarter.
 - Optimized application performance resulting in a 25% reduction in server load and 30% faster response times after thorough profiling and application tuning.
 - Integrated multiple third-party APIs, enhancing the application's functionality and user experience, leading to a 20% increase in customer satisfaction.
 - Mentored a team of junior developers, boosting team productivity and code quality through code reviews and pair programming sessions.

Node.js Software Engineer

HealthTech Innovations

- 03/2015 - 05/2018 Dallas, Texas
- Developed a telehealth application with real-time video conferencing features, serving 10,000+ healthcare professionals.
 - Implemented a scalable microservices architecture, facilitating easier maintenance and faster feature deployment.
 - Collaborated in the design of a RESTful API handling over 200,000 transactions per week with 99.9% reliability.
 - Conducted unit and functional testing, improving application reliability by 38% through early bug detection.
 - Authored technical documentation, which decreased onboarding time for new developers by 50%.

Full Stack Developer

DynamicWeb Solutions

- 01/2014 - 02/2015 Dallas, Texas
- Led the migration of a legacy system to a Node.js-based application, cutting down response times by half.
 - Spearheaded the implementation of Continuous Integration and Continuous Deployment pipelines, reducing deployment time by 75%.
 - Integrated server-side caching mechanisms, which slashed server resource consumption by 20%.
 - Constructed an automated end-to-end testing suite that lowered defect rates by 60% before product releases.

EDUCATION

Master of Science in Computer Science

University of Texas at Dallas

01/2011 - 01/2013 Dallas, Texas

Bachelor of Science in Software Engineering

Texas Tech University

01/2007 - 01/2011 Lubbock, Texas

PROJECTS

Contribution to Node.js Backend Library

Contributed to the development of an open-source Node.js library that simplifies HTTP requests for REST APIs. See the project at github.com/JoshNelson/NodeBackendLib

Open Source TypeScript ORM Tool

Collaborated on a TypeScript-based ORM tool to streamline database interactions for Node.js applications. View the code at github.com/JoshNelson/TypeORM

KEY ACHIEVEMENTS

- ★

Optimized System Performance

Successfully optimized a critical system for TechSolutions Inc., reducing server load by 25% and improving response times by 30%.
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Increased Server Uptime

Played a key role in enhancing the server uptime of HealthTech Innovations' main product to 99.99%, directly impacting customer satisfaction.
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Developed Scalable Microservices

Architected and deployed a microservices-based system which allowed for 50% faster feature additions and upgrades at DynamicWeb Solutions.
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Mentorship Excellence Award

Received an internal award for exceptional mentorship, contributing to a 20% increase in team productivity and code quality at TechSolutions Inc.

SKILLS

- NodeJS

Typescript
- Service-Oriented Architecture
- Authentication

Authorization
- Session Management

LANGUAGES

English
Native



Spanish
Intermediate

