



Alex Johnson

Senior Node.js Developer

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Professional Summary

Experienced Senior Node.js Developer with 6+ years of expertise in building scalable backend systems, RESTful APIs, and microservices architecture. Proven track record of optimizing application performance, implementing CI/CD pipelines, and leading development teams. Passionate about clean code, test-driven development, and modern JavaScript technologies including TypeScript, Express.js, and cloud deployment strategies.

Technical Skills

Backend Technologies

Node.js, Express.js
TypeScript, JavaScript (ES6+)
REST APIs, GraphQL
Microservices Architecture
WebSocket, Socket.io

Databases & Tools

MongoDB, PostgreSQL
Redis, Elasticsearch
Prisma, Mongoose
Docker, Kubernetes
Git, GitHub Actions

Cloud & DevOps

AWS (EC2, S3, Lambda)
Google Cloud Platform
CI/CD Pipelines
Nginx, PM2
Jest, Mocha, Supertest

Professional Experience

Senior Node.js Developer

March 2022 - Present

TechFlow Solutions

- Led development of microservices architecture serving 2M+ daily active users with 99.9% uptime
- Optimized database queries and API responses, reducing average response time by 40%
- Implemented comprehensive testing strategy with 95% code coverage using Jest and Supertest
- Mentored junior developers and conducted code reviews for a team of 8 engineers
- Designed and deployed scalable REST APIs handling 50K+ requests per minute

Full Stack Developer

June 2020 - February 2022

StartupHub Inc.

- Developed and maintained Node.js backend services for e-commerce platform
- Integrated third-party payment systems (Stripe, PayPal) and shipping APIs
- Built real-time notification system using Socket.io and Redis pub/sub
- Implemented JWT-based authentication and role-based access control

- Collaborated with frontend team to design and implement GraphQL schema

Node.js Developer
Digital Innovations Ltd.

August 2018 - May 2020

- Built RESTful APIs for mobile applications with Express.js and MongoDB
- Implemented automated testing and deployment pipelines using GitHub Actions
- Optimized application performance through caching strategies and query optimization
- Collaborated with cross-functional teams in Agile development environment

Key Projects

E-Commerce Microservices Platform

Node.js, Express.js, MongoDB, Redis, Docker, AWS

Architected and developed a complete microservices-based e-commerce platform handling user management, product catalog, order processing, and payment integration. Implemented event-driven architecture with message queues for reliable inter-service communication.

Real-Time Analytics Dashboard API

Node.js, TypeScript, PostgreSQL, Socket.io, Elasticsearch

Created high-performance API serving real-time analytics data to React dashboard. Implemented efficient data aggregation algorithms and WebSocket connections for live data streaming to 1000+ concurrent users.

Social Media Content Management System

Node.js, GraphQL, MongoDB, AWS S3, Sharp

Developed comprehensive content management API with image processing, automated content moderation, and advanced search capabilities. Integrated machine learning models for content recommendation and spam detection.

IoT Device Management Platform

Node.js, MQTT, InfluxDB, Docker, Kubernetes

Built scalable backend system for managing 10K+ IoT devices with real-time data collection, device status monitoring, and automated alerting system. Implemented time-series data storage and analysis.

Education

Bachelor of Science in Computer Science

2018

University of California, Berkeley

Certifications

AWS Certified Developer - Associate

2023

Amazon Web Services

Node.js Application Developer Certification

2022

OpenJS Foundation

Additional Information

- Active contributor to open-source Node.js projects with 500+ GitHub contributions
- Speaker at local Node.js meetups and tech conferences
- Fluent in English and Spanish
- Available for remote work and occasional travel

References

Available upon request