

Technical Architect – NodeJS

Skills – Mandatory	NodeJS, NestJS, ReactJS	Skills - Primary	NodeJS, ReactJS
Skills - Good to have	ExpressJS, NextJS,	Qualification	Open
Total Experience	10+ years	Relevant Experience	2 years to 3 years
Work Location	Cochin	Expected date of onboarding	ASAP

Job Purpose

Be an Technical Architect in designing Web APIs using NodeJS.

Job Description

- Extensive NodeJS Expertise: In-depth knowledge of NodeJS architecture, including event-driven programming, non-blocking I/O, and asynchronous code patterns & asynchronous runtime, and NodeJS frameworks (e.g., Express, NestJS).
- API Design and Development: Experience in designing and implementing RESTful APIs with NoSQL database back-end, understanding best practices for security, performance, and versioning.
- Understanding of Front-End Technologies (NextJS): Familiarity with how NextJS works, including server-side rendering, static site generation, and routing, to understand how to translate front-end functionality to backend APIs.
- Excellent development experience using web and JavaScript technologies expertise with HTML/XHTML, XML, JSON, CSS, SCSS, JavaScript, TypeScript, AJAX, DOM, and version control systems (such as git)
- Professional JavaScript development experience
- Proven Expertise in NodeJS, ExpressJS, NPM, bootstrap, webpack
- Database Design and Management: Strong experience with MongoDB, NoSQL, Redis or other databases, including schema design, data modeling, indexing, and performance optimization.
- Knowledge of using MongoDB Atlas on GCP would be a plus.
- Proficiency in DBMS and ORM concepts.
- System Architecture and Design Patterns: Experience in designing scalable, maintainable, and modular systems. Knowledge of microservices, distributed systems, and cloud architecture using GCP.
- Knowledge of Google Compute Engine (GCE), App Engine, and Cloud Run for deploying and scaling NodeJS applications.
- Experience with Cloud Storage for file storage and Cloud SQL/ Bigtable or similar for database solutions
- Familiarity with Cloud Endpoints or API Gateway for managing and exposing RESTful APIs.
- Configuring centralized logging for the NodeJS application to troubleshoot and track error
- Code Quality and Best Practices: Knowledge of code quality tools and techniques, including linting, testing, and code reviews. Experience with TDD/BDD would be a plus.
- Experience with Authentication/Authorization Mechanisms: Understanding of JWT, OAuth, and other authentication/authorization practices, especially in relation to API security.
- DevOps and CI/CD: Familiarity with DevOps practices, containerization (Docker), and setting up CI/CD pipelines to automate testing and deployment.
- Understanding the nature of asynchronous programming and its quirks and workarounds
- Good working exposure consuming web services (REST) and processing data (JSON)
- Experience in debugging issues related to memory leaks.
- Experience in building highly scalable and high throughput services with sub second response times

- Excellent knowledge in object-oriented concepts & design patterns
- Demonstrated willingness to develop with new/unfamiliar technologies.
- Understanding of different design patterns
- Understands impacts of performance-based designs, accessibility standards and security compliance in development
- Understanding of Unit Testing concepts and experience with Unit Testing tools like Jest.
- Passion for best design and coding practices and a desire to develop new bold ideas

Duties and Responsibilities

- Take an Technical Architect role in designing the system, reviewing the code of team members, and ensuring first time quality of code
- Work in a collaborative team environment
- Communicate with customers to understand the requirements, to inform them the challenges, solutions and alternatives
- Respond to problems in a timely, effective manner
- Take part in DevOps and deployment activities
- Work with key members of the management team to define and drive technical strategy.
- Troubleshoot, test and maintain the core product software and databases to ensure strong optimization and functionality
- Contribute in all phases of the development lifecycle
- Follow technology best practices.

Any Additional Information/Specifics

- Participate in the full product development cycle, including brainstorming, release planning and estimation, implementing and iterating on code, coordinating with internal and external clients, internal code and design reviews, MVP and production releases, quality assurance, and product support.
- Highly effective and thrive in a dynamic environment
- Comfortable with proactive outward communication and technical leadership and positive about accepting challenges.

