

## JOB OBJECTIVE

Targeting opportunities in the Software Industry as a Software Developer specializing in Backend Development and Cloud Technologies, aiming to contribute to with dynamic teams to drive impactful technological advancements within various industries.

## EDUCATION

- B.Tech. in Computer Science and Engineering, IMS Engineering College, Ghaziabad, 2017

## CORE COMPETENCIES

- Cloud Computing
- Healthcare Technology Solutions
- Software Development Life Cycle
- Agile Methodologies
- System Architecture Design
- Data Security Protocols
- User Experience Optimization
- Performance Tuning
- RESTful API Development
- Unit & Integration Testing
- Cloud Infrastructure & Serverless Computing
- Microservices Development

## TECHNICAL SKILLS

- Back-end: Node.js, Express.js (RESTful APIs, microservices)
- Cloud: AWS (Lambda, DynamoDB, API Gateway, S3, Cognito, Athena, SQS, SNS, SES)
- Database: MongoDB, DynamoDB (Schema design, query optimization)
- Testing: Mocha, Chai (Unit & integration testing)
- Security: JWT, AWS Cognito (Authentication, RBAC)

## SOFT SKILLS

- Adaptability and Resilience
- Team Work and Planner
- Problem Solving and Emotional Intelligence
- Critical Thinking and Conflict Resolution

## PERSONAL DETAILS

- DOB: 5<sup>th</sup> July 1996
- Languages Known: English, Hindi
- Address: Chandigarh - 160101, India

## PROFILE SUMMARY

- Result-driven Software Developer** with over 2 years of expertise in Node.js, Express.js, and AWS cloud infrastructure, specializing in designing & deploying scalable, high-performance backend solutions.
- Proficient in RESTful API development**, microservices architecture, and serverless computing, ensuring robust and seamless integration of enterprise applications.
- Expert at leveraging AWS services** (Lambda, DynamoDB, API Gateway, Cognito, S3, Athena, SQS, SNS, SES) to architect resilient, cloud-native solutions that optimize performance and efficiency.
- Strong expertise in MongoDB** and NoSQL database design, implementing optimized indexing strategies and query tuning for enhanced data retrieval.
- Experienced in API security**, authentication, and authorization, implementing JWT and AWS Cognito to safeguard sensitive patient data in compliance with HIPAA standards.
- Spearheaded the development** of a Remote Patient Monitoring System, enhancing real-time patient health tracking through event-driven architecture and automated alert systems.
- Established proficiency in unit testing** and integration testing using Mocha and Chai, ensuring code reliability, robustness, and adherence to best practices.
- Recognized for exceptional teamwork**, adaptability, and innovative problem-solving, earning the "Rising Star Award" for technical excellence and proactive contribution.

## WORK EXPERIENCE

### Firminiq System Pvt. Ltd. Chandigarh, India - Software Developer

Feb'2023 - Current

#### Key Result Areas:

- Developed a Scalable RPM System - Engineering a high-performance, secure Remote Patient Monitoring (RPM) system, optimizing backend logic for seamless data processing and scalability.
- Built & Secured APIs - Designing RESTful APIs using Node.js, Express.js, and MongoDB, ensuring efficient data flow and secure authentication with JWT & AWS Cognito.
- Integrated AWS Services - Leveraging AWS Lambda, DynamoDB, API Gateway, S3, Cognito, Athena, SQS, SNS, and SES to create a cloud-based, event-driven architecture for real-time patient monitoring and alerts.

#### Projects:

##### Remote Patient Monitoring System

- Engineered a **scalable RPM system**, integrating medical devices and wearables for real-time health tracking.
- Developed **secure RESTful APIs** and real-time pipelines to process and analyze patient vitals.
- Leveraged **AWS (Lambda, S3, DynamoDB, Cognito, SQS, SNS, API Gateway)** for cloud-based scalability and automation.
- Implemented **event-driven architecture**, enabling automated alerts for abnormal health readings.
- Designed a **HIPAA-compliant data storage framework**, ensuring security and compliance.

##### OMRON's Health Coordinator System

- Developed a **patient engagement platform** to enhance hospital workflows and patient follow-ups.
- Built **role-based access control (RBAC)** and real-time data visualization, improving decision-making for healthcare providers.
- Utilized **AWS (Athena, S3, SQS, Lambda, Cognito)** and Node.js to create a **scalable, serverless solution**.
- Enhanced **patient tracking and communication**, improving treatment adherence and operational efficiency.
- Integrated **secure authentication mechanisms (JWT, AWS Cognito)** to ensure data privacy and controlled access.

## CERTIFICATIONS

- Namaste JavaScript Certification - Proficient in JavaScript fundamentals, asynchronous programming, and advanced concepts.
- Namaste Node.js Certification - Skilled in Node.js, backend development, and performance optimization.