

# Madhur Goyal

SDE - 2 (FULL STACK DEVELOPER)

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## EXPERIENCE

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### Software Development Engineer - 2

August 2023 – Present

*Niyo Solutions Inc.*

*Bengaluru, IN*

- Initiated and led the integration of Federal Bank, India, into the Niyo Global app, enhancing the platform's banking connectivity. Developed APIs and microservices to enable seamless communication between the app and the bank
- Implemented gRPC for efficient and quick connections between microservices, optimizing system communication and performance
- Rapid Skill Acquisition and Application: Quickly learned GoLang and developed production-ready code for a multi-service project within five months
- Developed an in-house analytical tool that cut costs by reducing the need for third-party solutions, boosting efficiency and providing customized analytics
- Implemented WebSockets to enable real-time communication between client and server in the stock-based Niyo Money app, enhancing user interaction and data flow
- Managed a two-person team, overseeing project tasks and ensuring timely completion
- Tech Stack: GoLang, Nest JS, MongoDB, React JS, MySQL, Kafka, WebSockets, gRPC

### Full Stack Engineer

Feb 2022 - Aug 2023 (1 year 6 months)

*CBNITS (Client: Niyo Solutions Inc.)*

*Bengaluru, IN*

- Led the development and deployment of multiple modules, and collaborated with the different teams and stakeholders (Bank, M2P, and Karza). Developed functionalities like Video KYC, Multiple Delivery Partner for Card Deliveries, etc
- Enabled microservices communication using Kafka, ensuring robust data transfer
- Took initiative to improve deployment time by 70% by improving our CI/CD pipelines and stages using bitbucket cache and docker cache management which reduced the build time from 18 minutes to 4 minutes
- Took the initiative to develop NPM packages for reusable modules, which improved other services' development time. (Common Logger, Karza Connector, Bluedart Connector)
- Developed user data cache system using Redis Cache to store user's static data to retrieve them faster

### Full Stack Developer

Dec 2020 - Jan 2022 (1 year 1 month)

*Squareboat Solutions Pvt. Ltd. (Client: Niyo Solutions Inc.)*

*Gurugram, IN*

- One of the earliest and Core technical members in integrating Niyo with SBM Bank to provide Niyo Global SBM Card
- Developed and handled PWAs based on React for Banking Application (Onboarding, Fund Transfers and Support)
- Developed several APIs based on Nest.js on microservice architecture
- Refactored the codebase of a React application based on a Google Lighthouse report that improved code maintainability and performance by 50%
- Developed and Maintained Workbench for SBM, which CS used for getting customer's details

### Full Stack Developer (Freelance)

May 2019 - Dec 2020 (1 year 7 months)

*Freelance Projects*

- Developed Factory Production and Process Management Application for a Resins Manufacturing Company
- Developed Invoice Management Application for a Jewellery Store
- Developed several full-stack projects based on Node JS, Angular, Express JS, and MongoDB

## TECHNICAL SKILLS

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**Languages and Frameworks:** Node JS, GoLang, gRPC, Nest JS, React JS, Redux, GraphQL, JavaScript, Tailwind, Python, WebSocket, HTML, CSS

**Database:** MongoDB, MySQL, Cassandra

**Developer Tools:** Kafka, Redis, Docker, GIT, AWS EC2, AWS S3, AWS SQS, CI/CD, K8s, Kong, JIRA, AWS Lambda, RESTful API

## PROJECTS

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### **Native Ad Format Support as per IAB Guidelines in Kritter Ad Trading Stack**

- Developed JavaScript for Kritter Ad Trading Stack to support and render native ads according to IAB guidelines, enhancing ad delivery for Kritter Software Technology

### **Flipword**

- Mnemonic Vocabulary app. Tech Stack: Ionic 4, Node JS, Express JS, MySQL, Firebase Push Notification, Firebase Analytics, Facebook API, Facebook Audience Network Ads

## EDUCATION

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### **CHRIST (Deemed to be University)**

*Bachelor of Computer Applications*

Bengaluru, IN

*2016 – 2019*

## ACHIEVEMENTS

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### **Outstanding Performance Award**

2022

- Received a certificate of recognition for outstanding performance at Niyo Solutions, acknowledging contributions to project success and exceptional work ethic.

### **Project Display (Myra – Smart Assistant) | 2nd Prize**

March 2019

- Softex 2019 – The Future Tech Expo - Inter College IT Fest of CHRIST (Deemed to be University), Bangalore