

# Sham Roy

Mearn Stack Developer

Kochi, Kerala

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## PROFESSIONAL SUMMARY

Frontend Developer with **2 years of experience**, specialized in **Next.js, React, and Angular**. Also familiar with **Node.js, Express.js, MongoDB, Redux, WebSockets, and payment gateway integrations**, enabling contributions to both frontend and backend.

Passionate about **learning and innovation**, focused on delivering **high-quality, performance-driven solutions**. Experienced in **building efficient web applications, leading development teams, and tackling challenges** with an impact-driven approach.

## TECHNICAL SKILLS

**Frontend Technologies:** Next.js, React.js, Angular

**UI & Styling:** Tailwind CSS, Bootstrap, HTML, CSS, SASS

**State Management:** Redux, Context API, Zustand

**API & Authentication:** REST API, WebSockets, OAuth, Firebase Auth, JWT, LinkedIn Authentication

**Backend:** Node.js, Express.js, Nest.js

**Databases:** MongoDB, Firebase,

**Tools & Platforms:** Git, Bitbucket, Jira

**Programming Languages:** JavaScript (ES6+), TypeScript

**Authentication:** OAuth, Firebase Auth, JWT, LinkedIn Authentication

**Other Skills:** API Integration, CRUD Operations, Real-time Data Handling (Socket.io), Problem-Solving, Debugging, Time Management

## PROFESSIONAL EXPERIENCE

### Dotcod Innovations | Software Engineer (Full Stack Developer)

July 2023 - Present

- Built and maintained web applications using React.js, Angular, and Next.js.
- Led and collaborated with cross-functional teams to deliver high-performance web solutions.
- Attended **conferences and meetings** to understand and align with **client requirements**.
- Maintained **Scrum practices** and ensured smooth project execution.

### Biomiicron Pharma India | Territory Business Manager

June 2021 - August 2022

- Build relationships with healthcare professionals to promote pharmaceutical products.
- Conducted market research and achieved sales targets.
- Prepared documentation and reports, attend conferences and meetings.

## KEY PROJECTS

### GTX - Global Talent Exchange (Next.js)

**Role:** Lead Developer

**Libraries:** react-redux, socket.io

**Description:** GTX – **Global Talent Exchange** is a hiring platform to apply for jobs, schedule interviews, and connect with opportunities worldwide. Built on **Next.js** with **SSR for SEO and Google crawl** and **CSR for better user experience**.

### LMS - The Yoga Institute (React.js)

**Role:** Lead Developer

**Libraries:** mui/material, react-player, Razorpay

**Description:** The LMS provides access to **video and live classes** after a subscription. It includes a **custom video player** with restrictions: **no fast-forwarding**, **auto-pause at specific intervals**, and **auto-pause on tab exit**. **Seek is only allowed within the viewed portion**. Classes and chapters unlock **sequentially** after completion.

### E-library - The Yoga Institute ( React.js, Nest.js)

**Role:** Lead Developer

**Libraries:** react-pdf, react-player, zustand, webvtt-player

**Description:** The **E-library platform** efficiently handles and streams **large multimedia files**, including **documents, videos, and audio**. It supports **large PDFs** with seamless **background preloading** for quick access, similar to **video and audio streaming**. The **audio player** includes **VTT-based captions**, displaying **synchronized text** during playback, like video subtitles.

### CoLLearn (React.js, Firebase)

**Role:** Lead Developer

**Description:** This **static web application**, built with **React**, simplifies **course admissions**. It uses **Firebase** for **database management and authentication**. Integrated with **React Helmet**, it ensures **effective SEO** for better **search engine visibility**. The app delivers a **responsive and seamless user experience** while maintaining **high search rankings**.

### Ad-campaign (Next.js, Firebase)

**Libraries:** firebase,

**Description:** A **performance-focused static page** built with **SSR** for **speed and SEO**. Uses **Firebase** for **OTP verification** and **data transfer**, ensuring **fast loading and smooth user experience**.

### Finvedik (Angular)

**Libraries:** Lightweight-charts, Chart.js, Bootstrap, ngx-bootstrap

**Description:** A **fintech app** built with **Angular**, designed for **interactive charts and data visualization**. It ensures **high performance** by using **caching** to **limit API calls** as per client requirements. Powered by **Lightweight-charts** and **Chart.js**, it delivers a **responsive and seamless user experience**.

### Hirewalks (Angular, React.js)

**Libraries:** angular-material, agora-react-uikit, agora-rtc-sdk-ng, agora-rtc-react,

**Description:** A **job application and interview platform** built with **Angular (12.2.0 & 13.3.9)** and **React.js**. Includes **video interviews** using **Agora SDK**. Supports **job applications, scheduling, and real-time interviews** within the platform.

## CERTIFICATION

**National Council for Technology and Training – MEARN Full Stack**

## EDUCATION

### MERN Stack

**December 2022 - May 2023**

Luminar Technolab, Kochi

### B.Com in Computer Applications

**December 2017 - May 2020**

SN Arts and Science College, N. Paravur

### Higher Secondary (Commerce Computer Applications)

**December 2015 - May 2017**

BVHSS, Nayarambalam

## LANGUAGES

**English:** Fluent (Read, Write, Listen, Speak)

**Hindi:** Intermediate (Read, Listen, Speak)

**Malayalam:** Native

**Tamil:** Conversational (Listen, Speak)