Nihal Sangole

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Executive Summary

Software developer with over **4 years** of expertise in **Node.js**. Specializing in Frontend & Backend development, leveraging knowledge from Computer Science Engineering education. **Led CRM** backend projects and researched open-source CRM solutions for **ProCoach CRM**. Skilled in collaborating with international clients on side projects, gaining adaptability and global insight. Spearheaded the development of multiple complex features of fintech giants like **Edelweiss Mutual Funds** and **Edelweiss Alternatives**, showcasing strong system design and distributed systems understanding.

Technical Skills

Frontend : HTML, CSS, Bootstrap, Angular 14, JavaScript (ES6), TypeScript.

Backend : Node.js, Express.js, Nest, Socket.io, JWT, MVC, Microservices, Serverless, RESTful APIs, Mocha, Passport, OAuth, TypeORM, MongoDB, Mongoose, Redis, Kafka, BullMQ, Swagger.

Technologies and Others :AWS (EC2, S3, Route53, Lambda, CloudFront, RDS, KMS, IAM), Docker, Git, Apache, Nginx, CI/CD (GitHub Actions), Linux, OWASP, Agile, JIRA, OpenAI APIs, ChatGPT.

Professional Experience

Binmile Technologies | Software Developer | Noida, India.   08/2022-Present

Edelweiss Mutual Funds Content Management System

Developed CMS for Edelweiss MF site, led backend & frontend. Manage 1500+ daily clients & partners, boosting satisfaction by 45% with SIP calculators, fund analytics, & educational resources.

- Built CMS for main website, led backend development, contributed to frontend.Enhanced user experience with SIP calculators, fund analytics
- Developed RESTful APIs with NestJS, TypeORM, MySQL
- Created a CMS in NestJS for frontend modules, integrating Swagger for API documentation, third-party APIs, and services like "Add to - Cart" with encrypted request and response.
- Created interfaces with Ionic 5 and Angular 10 for Edelweiss main website and CMS.Designed CMS modules with three components (show list, edit item, add item) and user-based log-in.

Edelweiss Alternatives Asset management (CAMS and SWIFT) | FullStack Developer

Built SWIFT and CAMS applications from scratch, streamlining Investor onboarding. Automated the SWIFT to CAMS application-sharing process, reducing Turnaround Time. Developed a CAMS login interface with a status-based dashboard and user-friendly features for efficient application viewing and discrepancy resolution..

- Developed comprehensive features for SWIFT to CAMS integration, including user signup/login, activity logging, a dashboard displaying all applications, and functionalities for pledging/unpledging Fund units.
- Implemented a streamlined process for CAMS verification of pledge/unpledge applications, with additional measures for non-KYC compliant investors.

Edelweiss Mutual funds (Virat and Galaxy)

Within Virat and Galaxy platforms, I played a role as a full-stack developer, enhancing the user experience by designing APIs and building frontend modules. These additions facilitated seamless interaction for users and partners, enabling efficient management and investment in Edelweiss Mutual Funds.

- Contributed to a project utilizing the same stack as the CMS, Building essential modules like a cart system and AIF Demat consultation login.
- Collaborated with a 6-member team, working on both frontend and backend, seamlessly integrating Bharat Bond Funds and essential APIs.Addressing VAPT concerns and Resolving issues such as cryptography failures and SQL injections.

PROCOACH LIMITED | Software Engineer | London, England, UK (Remote)
Pro-coach CRM SOFTWARE FOR PERSONAL TRAINERS

Led backend development for a comprehensive CRM module within ProCoach app, addressing the requirements of a personal trainers CRM system. Overseeing the creation of backend APIs and collaborating closely with frontend developers to ensure seamless integration. Involved in all phases from Business Requirements Documents (BRDs) creation to Proof of Concepts (POCs) development and team management. for 200+ clients and keeps track of usage.
- Managed the entire backend development lifecycle, from conceptualization to deployment.
- Modules Developed: Contact Management, Product/Service Management, Client Management, Financial Management, Lead Management, Task Scheduler,Open-AI APIs Intergretion
- Implemented multitenancy architecture with BullMQ, Redis for efficient scalability.
- Ensured data security with JWT authentication and managed backend lifecycle.
- Reduced custom reports cost, established S3 bucket expiration policies for cost savings. 120+ individual REST endpoints.

SIMPLE TREE DIGITAL | Software Developer | Pismo Beach, California, USA (Remote)
Solar Application Development for Streamline Solar Company

- Developed a solar energy estimation tool for Streamline Solar, leveraging Google Maps Platform Solar API.
- Solely engineered the backend architecture and implementation, integrating AWS SES and Cloudflare API for seamless communication.
- Orchestrated internal API proxy for Solar API communication and provided technical guidance and mentorship. Technologies Used: NestJS, TypeORM, MySQL, Redis, BullMQ, AWS SES, Cloudflare API, Google Maps Platform Solar API.

Education
BACHELOR OF ENGINEERING - COMPUTER SCIENCE & ENGINEERING.
A.C.E.T COLLEGE OF ENGINEERING NAGPUR.
CGPA : **9.1**

Certifications And Profile's
- **AWS** :AWS Cloud Technical Essentials
- **FreeCodeCamp :** Javascript Algorithms and Data Structures
- **FreeCodeCamp :** Relational Database (PostgreSQL), and Bash
- **Leet code : nihalsangole9**
- **HackerRank :nihalsangole9**

Interest and miscellaneous

- Cybersecurity,
- Freelancing
- E-commerce