MIDHUN PM

Full Stack Developer

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Full Stack Developer with experience in building scalable, end-to-end applications. Skilled in REST API development, authentication, and responsive UI design. Passionate about clean code, performance optimization, and delivering impactful user experiences.

Skills

Languages: *JavaScript, TypeScript, HTML, CSS, Dart*

Frameworks: *React.js, Node.js, Express.js, Next.js, Flutter*

Libraries: *Redux, Redux Toolkit, Riverpod, Drift, Tailwind CSS, Bootstrap, Multer, Nodemailer*

Databases: *MongoDB, PostgreSQL*

ORM: *TypeORM*

Message Queues: *Redis, BullMQ*

Dev Tools: *Git, GitHub, Postman, AWS, GCP (Cloud Storage), Docker, Jira*

Authentication: *JWT, Google OAuth, Role-Based Access Control*

Architectures: *Clean Architecture, MVC, Microservices*

APIs: *RESTful APIs, Third-party API Integration (e.g., TMDb, OpenWeather), Stripe*

Soft Skills: *Problem-Solving, Communication, Team Collaboration, Self-Motivation, Adaptability*

Experience

Full Stack Developer March 2026 – Present
Flytdeck AI Private Limited

- Developing a **Ship Management mobile application** using **Flutter**, with **Riverpod** for state management and **Drift** for local data storage.
- Building modules including **PMS, QHSE, Inventory, Procurement, Cash Box, Crew Profile Management, Push Notifications**, and a multi-site switcher.

IT Support Executive February 2022 – June 2024
Wintech Technology *Abu Dhabi, UAE*

- Provided first and second-line IT support to end users, resolving hardware, software, and network issues to minimize downtime.
- Installed, configured, and maintained desktops, laptops, printers, and networking equipment across the organization.

IT Support Executive August 2021 – January 2022
Aforeserve IT Solutions *Kochi*

- Delivered onsite and remote technical support for desktops, peripherals, and enterprise applications.
- Troubleshot network connectivity and system performance issues, escalating complex cases to senior engineers when required.

Customer Support Executive January 2020 – February 2021
Maksys Technology *Kozhikode*

- Handled customer queries and complaints via phone and email, ensuring timely and satisfactory resolution.
- Coordinated with internal technical teams to escalate and resolve product-related issues.

Projects

Ship Management Mobile Application | *Flutter, Riverpod, Drift*
A cross-platform mobile application developed under **Flytdeck AI Private Limited** for managing end-to-end ship operations, crew, and site data.

- Building the mobile app in **Flutter** with **Riverpod** for state management and **Drift** for local data storage.
- Implemented the **PMS (Planned Maintenance System)** module for tracking scheduled ship maintenance tasks.
- Built the **QHSE (Quality, Health, Safety & Environment)** module for compliance and safety reporting.
- Developed **Inventory** and **Procurement** modules to manage stock levels and purchase workflows.
- Built a **Cash Box** module for onboard expense and transaction tracking.

- Implemented **Crew Profile Management** for maintaining crew records and documentation.
- Integrated **Push Notifications** for real-time alerts and updates.
- Built a **multi-site switcher** allowing users to manage and switch between multiple ships/sites within the app.

WorkBridge | *React.js, Node.js, MongoDB, JWT, Google Auth, GCP, Clean Architecture*
A full-stack job portal platform that bridges the gap between job seekers and employers. It offers secure authentication, real-time chat, and a clean, responsive interface — built with scalability and clean architecture principles at its core.

- Engineered a scalable job portal connecting seekers and employers, with secure logins (**JWT, Google OAuth**) and role-based access control.
- Built a responsive UI using **React.js, Tailwind CSS, React Router**, and managed global state with **Redux Toolkit & Context API**.
- Designed a **Node.js/Express** backend with **MongoDB**, following **Clean Architecture**.
- Integrated **GCP** for file storage (**Multer**) and implemented a real-time chat feature via **Socket.IO**.
- Containerized app with **Docker** and set up **CI/CD** for automated builds & deployment.

GitHub Live Link

Google Gemini AI Chat Backend | *Node.js, Express, Redis, BullMQ, Stripe, JWT*
A production-ready AI chat backend that lets authenticated users converse with Google Gemini AI. It features subscription-based access via Stripe, async message queuing with BullMQ and Redis, and secure OTP-based login — designed for performance and scalability.

- Architected a **Node.js** and **Express** backend enabling authenticated users to chat with **Google Gemini AI**.
- Integrated OTP-based authentication with **JWT sessions** and password management.
- Designed **RESTful APIs** for user profiles, chatrooms, and messaging.
- Employed **BullMQ** with **Redis** for asynchronous AI message processing and caching to optimize performance.
- Managed persistent data with **PostgreSQL** using structured schemas.
- Configured **Stripe** for paid subscriptions with webhook payment handling.
- Followed clean code and security best practices for scalability and maintainability.

GitHub

Educational History

Bachelor of Computer Applications
Indira Gandhi National Open University — *2026 – 2029*

Diploma in Computer Engineering
Sree Narayana Guru Polytechnic College — *2016 – 2019*

Certifications

Responsive Real World Websites with HTML and CSS — Udemy
Essential Training React JS — LinkedIn Learning