



# GOPALSAMY M

Full-Stack Developer

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## ABOUT ME

Accomplished Full Stack Developer with 3.5 years of hands-on experience designing and implementing scalable web applications and robust back-end systems, leveraging expertise in front-end technologies (HTML, CSS, Bootstrap, JavaScript, TypeScript, JQuery, React), back-end frameworks (ASP.NET/C#, Node.js), and database management (MongoDB, MSSQL). Adept at delivering clean, maintainable code within MVC architecture, collaborating effectively in agile teams, and utilizing modern development tools such as GitHub, JIRA, and CI/CD pipelines to drive project success.

## TECHNICAL SKILLS

- **Frontend:** HTML5, CSS3, JavaScript (ES6+), TypeScript, TailwindCSS, Material UI, Bootstrap, JQuery, React.js.
- **Backend:** ASP.NET (C#), Node.js, MVC Architecture.
- **Databases:** MongoDB, Microsoft SQL Server (MSSQL).
- **Version Control:** Git, GitHub.
- **Project Management & Tools:** JIRA, ProjectHub (Internal Product).
- **DevOps:** Docker

## PROJECTS & EXPERIENCE

### Sankara Software Services

Full Stack Developer - (Jan 2023 - Present)

#### Online Exam Portal (NexTestify)

REACT JS & NODE JS & MONGODB

The **Online Exam Portal** is a comprehensive web-based assessment platform designed to streamline **Digital Examinations** for educational institutions and corporate training programs. The system features two portals (**Admin and Candidate**) with advanced functionalities for secure, scalable, and intelligent test delivery.

- **Live Proctor Monitoring Session:** Real-time video surveillance with alert systems to detect suspicious behavior.
- **AI-Based Question Generation and Dynamic Study Material Preparation** using rule-based logic and keyword tagging.
- **Question Bank Management & Custom Test Configuration:** Flexible setup of exams with timed sections, scoring logic, and topic weightage.
- **Dynamic Dashboards:** Interactive visualizations for exam statistics, candidate performance, and usage analytics.
- **Face Authentication Module:** Integrated biometric-based user verification for secure candidate login and test access.

#### Project Management Tool (ProjectHub)

REACT JS & NODE JS & SQL

**ProjectHub** is an internal project management tool designed to streamline **Team Collaboration, Task Tracking, and Time Management** across the organization. Inspired by platforms like Jira, ProjectHub centralizes project workflows by offering features such as a **Kanban-based Task Management system**, a Timesheet module, and team-based project visibility.

- Developed and maintained key modules of "ProjectHub", an internal project management tool similar to Jira, aimed at improving task tracking and team productivity across the organization.
- Implemented the **Task Management Module** featuring a **Dynamic Kanban Board** for real-time task updates, drag-and-drop functionality, and status-based task filtering.
- Contributed to the **Timesheet Module**, allowing users to log, view, and manage work hours; ensured seamless integration with task and user data through RESTful APIs.

#### Aviation Project (Craft Quote)

ASP.NET (C#) & WEB API & SQL

**Craft Quote** is a web-based **Flight Booking and Quotation Management System** developed for the aviation industry. It is designed to handle complex **B2B Workflows** by enabling aviation operators or charter companies to manage quote requests, flight bookings, and associated master data setups efficiently.

- **Quotation Management:** Facilitates the creation and lifecycle tracking of flight quote requests, including customer details, trip legs, aircraft selection, pricing, and approval workflow.
- **Flight Booking System:** Allows users to convert approved quotes into confirmed bookings, with scheduling, resource assignment, and operational status tracking.
- **Master Setup Modules:** Provides administrative modules to manage core data such as aircraft types, airport databases, customer profiles, crew details, and pricing logic.

## Agora Marketplace Storefront

**.NET CORE & WEB API & SQL**

The **Agora Storefront** was an **E-Commerce**-based web initiative, similar to platforms like Amazon and Flipkart, allowing users to browse products, generate quotes, and complete purchases through multiple payment methods including Credit Cards, Purchase Orders, Reward Points, and Gift Certificates.

- Implemented login functionality with secure user authentication, including validation and storage of user credentials in the database. Converted plain-text passwords into salted hashes using GUID for enhanced security.
- Developed and managed the Quote Request module, enabling users to create and send quotes to store vendors, supporting both Single-Supplier and Multi-Supplier workflows.
- Designed and implemented quote response handling features, including supplier-side quote acceptance/decline and user-side decision workflows.

## Agora Marketplace Admin

**.NET CORE & WEB API & SQL**

The **Agora Admin Console** site enables store administrators to manage user-submitted quotes, customer orders, and product inventory. Admins can create new products, set pricing, and manage stock availability. All administrative actions and records are persistently stored in the database for tracking and reporting.

- Developed functionalities for store vendors (suppliers) to respond to user-submitted quotes, including setting pricing, expected delivery dates, and managing shipping and billing information.
- Implemented Order Approval Settings, allowing multi-level hierarchical approval workflows. Ensured that quotes or product orders require sequential approvals before suppliers gain access, enhancing order control and authorization.
- Contributed to the development of financial logic, including Gift Certificate application, Tax calculation, and Processing Fee computations to ensure accurate pricing and checkout flow.

## PERSONAL PROJECTS

### ChatIO – Real-Time Chat Application

**REACT, NODE, SOCKET.IO, EXPRESS, MONGODB**

- Developed a real-time chat application enabling one-to-one messaging using WebSocket communication via Socket.io.
- Implemented user authentication, chat room creation, and message persistence in MongoDB.
- Built a responsive frontend using React and managed state with React Redux and Context API.

### EBuy – E-Commerce Web App

**REACT, NODE, EXPRESS, MONGODB**

- Designed and developed a basic e-commerce platform with product listings, shopping cart, and checkout functionality.
- Implemented backend APIs for product management, order processing, and user authentication.
- Used MongoDB for data persistence and integrated basic form validation and session handling.

### WthAir – Weather Report App

**REACT, NODE, EXPRESS, OPENWEATHER API**

- Built a weather forecasting app that fetches real-time weather data based on user input city using OpenWeatherMap API.
- Developed intuitive and responsive UI with React and handled API integration through Node.js backend.

## EDUCATION

### MPNMJ Engineering College - (Erode)

2017 - 2021

### BE - Computer Science Engineering

CGPA: 7.8

### HSC - Govt.Higher Secondary school - Ingur (Erode)

2016 - 2017

### Computer Science

Percentage: 85%

### SSLC - Govt.High school - KangayamPalayam (Coimbatore)

2014 - 2015

Percentage: 90%

## LIVE LINKS

- **Portfolio:** [www.myportfolio.com](http://www.myportfolio.com)
- **LinkedIn:** <http://www.linkedin.com/in/gopal-samy-42966822>