Benaka Prasad M

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Professional Summary

Full Stack Developer with strong experience in building secure, role-based web applications using Node.js, Express.js, and PostgreSQL. Designed and implemented REST APIs, authentication systems, and relational database schemas with constraints and indexing for performance. Hands-on experience integrating frontend interfaces using HTML, CSS, and JavaScript, and deploying scalable backend systems with a focus on clean architecture and maintainability.

Education

Global Academy Of Technology, Bangalore

Information Science and Engineering,

CGPA: 8.73 | Expected: July 2027

RNS Vidyanikethan Composite PU College, Bangalore

State Board(PU)

GPA: 86.17 | September 2023

Bunts Sangha RNS Vidyanikethan, Bangalore

ICSE Board

GPA: 84.13 | October 2021

Technical Skills

- **Languages :** C, JAVA, SQL, HTML5, CSS3, JavaScript.
- **Frameworks :** Node.js, Express.js, Websockets, React.js
- **Tools :** Git, GitHub, Postman.
- **Platforms :** PyCharm, Visual Studio Code, IntelliJ IDE.
- **Databases:** PostgreSQL, MySQL, MongoDB.
- **Soft Skills :** Communication, Adaptability, Task Prioritization, Teamwork,Collaboration.
- **Core Concepts**: Data Structures & Algorithms, Problem Solving, REST APIs, Authentication

Technical Projects

Gym Management System — Full Stack Web Application

Tech Stack: React.js, Node.js, Express.js, PostgreSQL, JWT

- Designed and implemented a role-based system supporting Admin, Trainer, and Customer workflows.
- Built secure REST APIs with JWT authentication and authorization for protected resources.
- Modeled relational data using PostgreSQL with constraints and indexing to ensure integrity and performance.
- Developed React.js dashboards consuming backend APIs for real-time management operations.
- Structured backend logic for maintainability and scalability with ORM-based migration planning.

Child Vaccination Reminder & Management System | Backend Developer

Tech Stack: Node.js, Express.js (Backend API) | MongoDB Atlas (Database) | Twilio (SMS API) | Gmail SMTP with OAuth2 | Cron Jobs.

- Implemented a backend system to manage vaccination schedules and automate reminder notifications.
- Designed time-based job execution using Cron for missed and upcoming dose tracking.
- Integrated third-party APIs (Twilio, Gmail OAuth2) for reliable, multi-channel communication.
- Developed REST APIs with validation, error handling, and authenticated access.
- Focused on secure handling of sensitive parent-child data.

Bingo Multiplayer Game

Tech Stack: Node.js | Express.js | WebSockets | HTML | CSS | JavaScript

- Built a real-time Bingo game supporting solo and multiplayer gameplay.
- Implemented server-controlled turn-based logic using WebSockets for live synchronization.
- Designed randomized board generation and automated win-condition evaluation.
- Developed room-based multiplayer architecture using unique Room IDs and server-side state management.
- Created a responsive frontend for real-time user interaction.

Certificates

- Oracle Cloud Infrastructure 2025 Certified Architect Associate (OCI) — Oct 30, 2025
- Software Engineering Job Simulation — J.P. Morgan Chase & Co. (Forage), Sep 2025
- Unix Shell Scripting — Global Academy of Technology (Upskill Cell), Apr–May 2025
- Python Programming & Libraries — Mevi Technologies LLP, Aug 2025
- Artificial Intelligence Foundations — Apr 2024