Glen Jayson Dmello

Full Stack Developer

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SUMMARY

Diligent MERN Stack and Flutter Developer with a strong foundation in modern web and mobile technologies. Experienced in building intuitive user interfaces and integrating efficient back-end logic to enhance overall functionality. Capable of working independently as well as collaborating in a team environment.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Java, Dart
Frameworks/Libraries: React.js, Redux, Node.js, Express.js, NestJS, Flutter, Prisma
Databases & Storage: MongoDB, Redis, Firebase, Qdrant
Tools & Platforms: Git, Docker, Linux, Postman

EXPERIENCE

Hackfest'24 Finalist (Team Epsilon)   Mar 2024
SAP x PSG iTech Hackathon   *Coimbatore, India*

- Reached the Top 93 out of 2,500 teams in a national hackathon organized by SAP.
- Developed DConnect, a dynamic carpooling application enabling users to seamlessly switch between driver and passenger modes.
- Implemented secure login, ride booking, and user-friendly ride-sharing features.

PROJECTS

PG Application - Full Stack PG Website   *React, Express, Redux, Firebase, MongoDB*   2024

- Developed a full-stack PG booking platform using React, Node.js, MongoDB, and Firebase Authentication, with Redux for state management, Cloudinary for image uploads, and Redis for optimized performance.
- Integrated Razorpay for secure payments with automated invoice generation; implemented comment sections for each PG listing.
- Built an AI-powered PG assistant chatbot using Groq Cloud API with Qdrant vector database for semantic search and efficient query handling.

FluentEdge - English Speaking and Typing Test App   *Flutter, Firebase, NestJS, Prisma, GraphQL*   2025

- Developed a cross-platform Flutter app with modular dashboards to assess English proficiency in speaking and typing, providing real-time progress tracking.
- Implemented a GraphQL API with NestJS and Prisma for schema-driven PostgreSQL data management, enabling efficient queries and mutations.
- Integrated Groq Cloud's Whisper Large V3 model for accurate transcription and analysis, secured with Firebase Authentication for multi-user access.

EDUCATION

Bachelor of Engineering in Computer Science   2022 – 2026
St. Joseph Engineering College (VTU)   *Mangaluru, Karnataka*

ACHIEVEMENTS

Placed in the Top 93 out of 2,500 teams in Hackfest'24, a national hackathon organized by SAP.