**Vishnu M**

+91 9360714052 vishnumariappan259@gmail.com [Vishnu](https://www.linkedin.com/in/vishnufsd/)



# Skills

* **Languages :** Javascript & SQL
* **Frameworks :** Nodejs, ReactJs, ExpressJs & Electron
* **Databases:** Mysql, MongoDB
* **Cloud & Infrastructure :** AWS & CI/CD
* **Others :** Git, Problem Solving & DSA

# Experience

**Gradious Technologies Private Limited Hyderabad, Telangana**

*Software Engineer July 2022 – Feb 2024*

* Developed and optimized RESTful APIs for dashboards, reports, courses, leaderboards, and user management.
* Designed and implemented the course UI and backend APIs, ensuring a seamless learning experience.
* Integrated **Sandpack** for interactive coding environments and deployed it on **AWS S3**.
* Worked in a **serverless AWS environment**, leveraging **AWS Lambda, API Gateway, S3, SES, and SAM CLI** for backend deployment.
* Developed SQL evaluation APIs, allowing learners to execute SQL queries and retrieve outputs dynamically.
* Implemented **Google Authentication and JWT-based authentication** for secure user access across UI and APIs.
* Designed and deployed **serverless backend using AWS SAM CLI**, including YAML configuration for infrastructure as code.
* Performed CRUD operations on **AWS S3** for file management.
* Implemented **pagination, filtering, and search functionality** efficiently at the server level for improved performance.
* Worked extensively with **MySQL**, optimizing database queries and schema design for scalability.

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| **Education**  **PET Engineering College, Vallioor, Tirunelveli district, Tamil Nadu** | *2018 – 2022* |
| *B.E Electronics And Communication Engineering* | *CGPA:7.3/10* |

# Achievements

* **Optimized API Performance** – Improved API response times by **40%** through efficient query optimization and server-side pagination.
* **Enhanced Course Experience** – Designed and deployed a **scalable LMS course module**, increasing user engagement by 40%.
* **Serverless Deployment Success** – Successfully migrated backend services to **AWS Serverless Architecture**, reducing operational costs by **30%**.
* **SQL Evaluation Engine** – Developed a **real-time SQL query evaluation API**, enabling learners to execute queries with instant feedback.
* **Secure Authentication Implementation** – Integrated **Google Authentication & JWT**, enhancing platform security and reducing unauthorized access.
* **Sandpack Integration** – Enabled interactive coding within the LMS by **seamlessly integrating Sandpack and hosting in S3**.
* **Data-Driven Reports & Leaderboards** – Built **dashboard and leaderboard APIs**, empowering admins with real-time insights on learner performance..

# Languages

* Tamil
* English