

SANDIP BERA

Backend Developer


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📍 Jhargram, West Bengal, India



SUMMARY

I am a backend developer with over 2.5 years of experience in creating and optimizing backend services, specializing in Go and Node.js. I strive to leverage my skills in database engineering to enhance innovative projects. With a solid foundation in API development and a track record of improving system performance, I am passionate about building efficient backend solutions that contribute to overall project success.




EXPERIENCE

- **Backend Application Developer**
Digiair Technologies And Analytics Private Limited
📅 08/2022 - Present 📍 Kolkata, West Bengal
- Improved system performance by 30% through designing and maintaining scalable backend services using Go.
 - Increased service efficiency by integrating 9 third-party services via RESTful APIs.
 - Optimized (25%) database queries and SQL schema design (Relational Database)
 - Implemented Object Storage Services (MinIO object storage) for file storage reduced cost (20%)
 - Converted and improved (40%) PHP-based project to Golang
 - Enhanced collaboration by working with 5 frontend developers for seamless integrations.
 - Achieved a 98% bug-free delivery by using Postman for thorough API testing.



EDUCATION

- **Master of Computer Applications**
Netaji Subhash Engineering College
📅 08/2020 - 06/2022 📍 Kolkata, West Bengal
- **Bachelor in Computer Application**
Vidyasagar University, Belda College
📅 08/2017 - 06/2020 📍 Paschim Medinipur, West Bengal

FIND ME ONLINE

- **Personal Blog**
<https://sandipbera1.blogspot.com/p/about-me.html>
- **Personal Site**
<https://www.sandipbera.in>
- **LinkedIn**
<https://www.linkedin.com/in/sandipbera>

STRENGTHS

- **Database Management**
Strong experience in **PostgreSQL** and **SQL** optimization.
- **Security**
Knowledge in implementing **JWT authentication** and securing applications.

CERTIFICATION

- Building Modern Web Applications with Go**
Udemy
- SQL Certificate**
Simplilearn
- Programming with Python 3.X**
Simplilearn

SKILLS

API, api testing, Caching, Docker, express.js, Git, Github, Golang, Javascript, Json, JWT, microservices, microservices architecture, MySQL, node, node.js, PGAdmin, postgresql, Postman, postman api, PyCharm, Python, python 3, Redis, restful, restful api, restful apis, Sequelize, SocketIO, SQL, SQLAlchemy, Sqlite, vscode

PROJECTS

JWT User Authentication Service

A user authentication service

- Improved system security, resulting in 30% reduction in breaches by developing Go and PostgreSQL authentication system.
- Utilized JSON Web Tokens (JWT) for user authentication and authorization.
- Handled user registration, login, and token generation to ensure secure access to protected resources.

Drive Backend Service

Project like Google Drive or Microsoft OneDrive

- Created a cloud drive backend service similar to Google Drive using Golang, Go-Iris framework, GORM, and MinIO.
- Increased file retrieval speed by {30%} by designing an advanced file storage and management system.

Chat Backend Service

Real time chat application

- Developed a real-time messaging system using Node.js and Express.js.
- Implemented database interactions with Sequelize ORM, caching with Redis, and real-time communication with SocketIO.
- Ensured seamless and instantaneous messaging for a responsive user experience.

STRENGTHS



API Development

Proficient in creating **RESTful APIs** for seamless integration.



Problem Solving

Strong debugging and performance optimization skills.



Collaboration

Effective team player with strong communication abilities

PROJECTS

Note Application Backend Service

Note-taking application

- Improved data retrieval speed by 30% by developing a comprehensive backend with Golang and PostgreSQL.
- Provided features for creating, updating, deleting, and retrieving user notes.
- Ensured secure user authentication and efficient data management, suitable for both personal and enterprise use.

Text Extraction Service

API service can extract text from several types of documents

- This is a Node.js service to extract text from various document formats including PDFs, DOCX, XLSX, JSON, and TXT.
- Utilized libraries like PDF parse, Mammoth.js, XLSX, and built-in JSON and TXT parsers for efficient content extraction.
- Exposed a RESTful API for easy integration, with error handling and format validation for reliable and scalable text extraction.
- This project helps other projects like drive and note application to give users an immersive experience.