SANGMESHWAR BHANGE

Nanded, Maharashtra

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PROFESSIONAL SUMMARY

Experienced Backend Developer with 3+ years of expertise in building scalable systems using Node.js, Nest.js, Express, MongoDB, and TypeScript. Skilled in serverless architecture, asynchronous processing, and optimizing system performance with Redis and WebSocket's. Proficient in deploying high-performance APIs and managing cloud services with AWS and CI/CD pipelines. Focused on enhancing system efficiency and streamlining development in fast-paced environments. Available for **immediate joining**.

SKILLS SUMMARY

- **Languages & Backend:** JavaScript (ES6+), TypeScript, Node.js, Express.js, NestJS
- **Databases & Storage**: MongoDB, PostgreSQL, MySQL, DynamoDB, Redis
- **Cloud & DevOps:** AWS (Lambda, API Gateway, S3, DynamoDB, SQS, SNS, EC2), Docker
- **API & Architecture:** RESTful APIs, Microservices, WebSocket, Serverless, Event-driven Architecture
- **Version Control & Collaboration:** Git, GitHub, Bitbucket, CI/CD

PROFESSIONAL EXPERIENCE

SKYE AIR MOBILITY, GURUGRAM (Backend Developer)   **March 2023- Present**

- ○ Spearheaded the development of serverless backend systems for multiple projects, driving operational excellence through AWS Lambda and DynamoDB.
- ○ Pioneered the integration of WebSocket technology for real-time communication, reducing latency and improving user experience.
- ○ Innovated a Deconfliction Engine to prevent drone collisions, increasing flight safety and automating manual tasks.

ACCIOJOB, GURUGRAM (Backend Developer)   **May 2022 - March 2023**

- ○ Participated in the development and implementation of microservices architecture, optimizing system scalability and flexibility.
- ○ Contributed to the backend of applications using JavaScript, TypeScript, and MongoDB, improving response time and operational efficiency.
- ○ Enhanced application security by managing user authentication protocols and optimizing data flow.

PROJECTS

Skye UTM | Node.js, Redis, AWS, WebSocket, DynamoDB   **March 2023- Present**

- ○ Architected the Skye UTM system, a cutting-edge drone traffic management solution, ensuring alignment with government regulations and DGCA standards using Node.js, AWS Lambda, and DynamoDB.
- ○ Designed a real-time mission planner for drone operators, integrating WebSocket for live updates and enhanced user interaction.
- ○ Optimized database queries with Global Secondary Indexes (GSI) in DynamoDB, improving response times by 70%, leading to faster data retrieval for mission-critical operations.
- ○ I Incorporated Redis caching and SQS to drastically reduce API response times by 30% and boost system throughput.

RPTO Management System | NestJS, PostgreSQL, TypeORM, MongoDB   **April 2022- March 2023**

- ○ Developed a scalable RPTO Management System with role-based access for Admin, Manager, Instructor, and Pilot.
- ○ Leveraged NestJS and TypeORM with PostgreSQL for robust data management, and integrated MongoDB for non-relational data.
- ○ Managed the deployment pipeline using CI/CD tools (Jenkins, Docker), reducing manual deployment time by 60%.

EDUCATION

Degloor College, Degloor   Degloor, Maharashtra

BSC (computer science) - 9.21 CGPA   **June 2018 - August 2021**