

Desai Harsh

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CAREER OBJECTIVE

To harness my enthusiasm for technology and commitment to continuous learning to drive innovation and tackle complex challenges. I aspire to thrive in a dynamic environment where I can explore emerging technologies, engage in groundbreaking projects, and contribute to pioneering solutions that redefine the boundaries of development.

PROFESSIONAL EXPERIENCE

AMNEX INFOTECHONOLOGIES PVT. LTD.

Feb 2024 - Present

- **Online Passenger Reservation System (OPRS):** Developed and maintained a scalable ticket booking system for state transport operations. Built RESTful APIs using ASP.NET Core and developed Angular-based UI for route management, booking workflows, seat layouts, and transaction handling.
- **OBU Panel:** Engineered a control panel to process GPS device data strings for live bus tracking and diagnostics. Implemented backend logic for parsing, storing, and visualizing real-time bus locations, speed, ignition status, and route adherence on map-based interfaces.
- **ONDC Integration:** Designed and integrated ONDC-compliant APIs based on the TRV12 protocol for mobility services. Supported runtime changes in vendor contracts and ensured version resilience, including payload validation and seat layout mapping.

PROJECTS

- **WHATSAPP CHATBOT (N8N) :** Built a WhatsApp chatbot using n8n, integrating PostgreSQL, Rasa, Gemini, Rocket.Chat, and WhatsApp API to enable complaint registration, AI/human chat support, and real-time ticket tracking.
- **EMS & SLA:**
 - **EMS (Environmental Monitoring System):** Configured a centralized Grafana-based monitoring dashboard for tracking server and container resource utilization. Set up alerts and automated logs to proactively identify system issues.
 - **SLA (Service Level Agreement) Automation:** Automated the generation of SLA penalty reports based on API uptime/downtime, incident logs, and scheduled downtimes. Streamlined reporting workflow and improved compliance accuracy.
- **THIRDPARTY INTIGRATATION :** Developed third-party integrations for the OPRS system, enabling seamless data exchange with external platforms, improving automation, and enhancing overall system interoperability.

SKILLS

- Languages: C#, JavaScript, Python (Basic Knowledge)
- Frameworks & Libraries: ASP.NET Core, ASP.NET CORE WEB API, ADO.NET, MVC, Angular, Entity Framework, LINQ
- Databases: PostgreSQL, Microsoft SQL Server, MongoDB (Basic Knowledge)
- Web & API Technologies: WebAPI, REST API
- Tools & Platforms: Git, GitHub, GitLab, Docker, Jenkins, AWS, TerraForm
- Concepts: OOP, Design Patterns, JWT Authentication, CI/CD, Agile Methodologies, DI

EDUCATION

Bachelor of Engineering 8.04 (CGPA)
LJ Institute Of Engineering & Technology

Computer Engineering 8.82 (CGPA)
Government Polytechnic Jamnagar

CERTIFICATE

- Docker Basics Unleashed
- Ultimate Crypto & Web3 Course, from DeFi to NFT all-in-one
- Python for beginners - Learn all the basics of python