

Monishwaran C

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Work Experience

Software Engineer | Bapon IT Services, Chennai | Dec 2024 – Present

- Built & maintained AI-powered apps (AI interviews, transcription, timesheets, skill assessment).
- Developed **130+ RESTful APIs** using Python/FastAPI.
- Designed **microservices on AWS (Lambda, ECS, API Gateway)** → improved scalability.
- Integrated **Agora SDK (video)**, **payment gateways (Razorpay/Stripe)**, **AWS Cognito & Azure AD SSO**.
- Optimized cloud infrastructure → reduced costs by 20%.

Senior Odoo / Backend Developer | Jetzerp Pvt Ltd, Karaikudi | May 2023 – Dec 2024

- Led **6-member team** delivering ERP solutions for manufacturing & automotive clients.
- Migrated Odoo 14 → Odoo 17, automated purchase imports (80% faster) with Zoho Books API.
- Built FastAPI services for **real-time inventory tracking (mobile integration)**.
- Automated reports & workflows using Python + PostgreSQL.

Flutter Developer | Jetzerp Pvt Ltd | Jan 2023 – May 2023

- Built mobile apps (Inventory Checker, Appraiser for US auto trading).
- Integrated barcode scanning, ERP sync, and responsive UIs.

Key Projects

- **SkillfulSense** → AI skill assessment platform with GPT-4, AWS Lambda, Agora SDK.
- **HRSuite** → Enterprise timesheet system (90+ APIs, SSO with Azure AD).
- **Invoice Automation** → OCR + FastAPI + Oracle → cut manual entry by **90%**.
- **Pipe Optimizer** → Python + AWS → automated pipeline design tool (live demo hosted).

Education

B.E. Mechanical Engineering | ACGCET, Karaikudi | 2019 – 2023 | CGPA: 8.1/10

Skills

- **Languages:** Python (FastAPI, Pandas, SQLAlchemy), JavaScript, Dart/Flutter
- **Databases:** PostgreSQL, MongoDB, Oracle
- **Cloud/DevOps:** AWS (Lambda, ECS, API Gateway, Cognito, SES, S3), Nginx, Git
- **Specialties:** REST APIs, Microservices, ERP (Odoo), Payment Integration, AI/ML APIs (OpenAI, AWS AI)

Certifications

AWS Cloud Practitioner (Score: 96.2%)