MONISHWARAN C

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LinkedIn: linkedin.com/in/mongineer | AWS Cloud Practitioner Certified

PROFESSIONAL SUMMARY

Experienced Software Engineer with 2+ years in full-stack development, specializing in AI-powered applications, microservices architecture, and cloud solutions. Proven track record of leading teams, optimizing systems for 20% cost reduction, and delivering 130+ RESTful APIs. AWS Cloud Practitioner certified with expertise in Python, FastAPI, and enterprise ERP solutions.

WORK EXPERIENCE

Software Engineer

Bapon IT Services, Chennai | Dec 2024 – Present

- Built and maintained AI-powered applications including AI interviews, transcription services, timesheets, and skill assessment platforms
- Developed and deployed 130+ RESTful APIs using Python and FastAPI framework
- Designed microservices architecture on AWS using Lambda, ECS, and API Gateway, improving system scalability
- Integrated Agora SDK for video functionality, payment gateways (Razorpay and Stripe), AWS Cognito, and Azure AD SSO
- Optimized cloud infrastructure resulting in 20% cost reduction

Senior Odoo Developer / Backend Developer

Jetzerp Pvt Ltd, Karaikudi | May 2023 – Dec 2024

- Led a 6-member development team delivering ERP solutions for manufacturing and automotive clients
- Successfully migrated systems from Odoo 14 to Odoo 17, implementing automated purchase imports with 80% performance improvement using Zoho Books API
- Built FastAPI services for real-time inventory tracking with mobile application integration
- Automated reporting and workflows using Python and PostgreSQL database optimization

Flutter Developer

Jetzerp Pvt Ltd, Karaikudi | Jan 2023 – May 2023

- Developed mobile applications including Inventory Checker and Appraiser for US auto trading market
- Integrated barcode scanning functionality, ERP system synchronization, and responsive user interfaces

KEY PROJECTS

- **SkillfulSense:** AI skill assessment platform utilizing GPT-4, AWS Lambda, and Agora SDK for comprehensive talent evaluation
- **HRSuite:** Enterprise timesheet management system with 90+ APIs and Single Sign-On integration with Azure AD
- **Invoice Automation:** OCR-powered solution using FastAPI and Oracle database, reducing manual data entry by 90%
- **Pipe Optimizer:** Python and AWS-based automated pipeline design tool with live demo deployment

TECHNICAL SKILLS

Programming Languages	Frameworks & Libraries	Databases	Cloud & DevOps
Python, JavaScript, Dart, SQL	FastAPI, Flutter, SQLAlchemy, Pandas	PostgreSQL, MongoDB, Oracle	AWS Lambda, ECS, API Gateway, S3, Nginx, Git

Specializations	AI & ML	Authentication	Tools & Platforms
REST APIs, Microservices, ERP Systems, Payment Integration	OpenAI APIs, AWS AI Services, GPT Integration	AWS Cognito, Azure AD, SSO Implementation	Odoo, Agora SDK, Razorpay, Stripe

EDUCATION

Bachelor of Engineering in Mechanical Engineering

ACGCET, Karaikudi | 2019 – 2023 | CGPA: 8.1/10

CERTIFICATIONS

AWS Certified Cloud Practitioner | Score: 96.2%