

MONISHWARAN C

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 LinkedIn: [linkedin.com/in/mongineer](https://www.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
<ul style="list-style-type: none">Built and maintained AI-powered applications including AI interviews, transcription services, timesheets, and skill assessment platformsDeveloped and deployed 130+ RESTful APIs using Python and FastAPI frameworkDesigned microservices architecture on AWS using Lambda, ECS, and API Gateway, improving system scalabilityIntegrated Agora SDK for video functionality, payment gateways (Razorpay and Stripe), AWS Cognito, and Azure AD SSOOptimized cloud infrastructure resulting in 20% cost reduction	
Senior Odoo Developer / Backend Developer Jetzerp Pvt Ltd, Karaikudi	May 2023 – Dec 2024
<ul style="list-style-type: none">Led a 6-member development team delivering ERP solutions for manufacturing and automotive clientsSuccessfully migrated systems from Odoo 14 to Odoo 17, implementing automated purchase imports with 80% performance improvement using Zoho Books APIBuilt FastAPI services for real-time inventory tracking with mobile application integrationAutomated reporting and workflows using Python and PostgreSQL database optimization	
Flutter Developer Jetzerp Pvt Ltd, Karaikudi	Jan 2023 – May 2023
<ul style="list-style-type: none">Developed mobile applications including Inventory Checker and Appraiser for US auto trading marketIntegrated 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 Python, JavaScript, Dart, SQL	Frameworks & Libraries FastAPI, Flutter, SQLAlchemy, Pandas
Databases PostgreSQL, MongoDB, Oracle	Cloud & DevOps AWS Lambda, ECS, API Gateway, S3, Nginx, Git
Specializations REST APIs, Microservices, ERP Systems, Payment Integration	AI & ML OpenAI APIs, AWS AI Services, GPT Integration
Authentication AWS Cognito, Azure AD, SSO Implementation	Tools & Platforms 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%