

MONISHWARAN C

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

PROFESSIONAL SUMMARY

Software Engineer with hands on experience 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

Odoo Developer / Backend Developer

Jetzerp Pvt Ltd, Karaikudi | May 2023 – Dec 2024

- 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

Management Trainee

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

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%