ARON C ANAND

Software Engineer — AI/ML — Cloud Technologies

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SUMMARY

Results-driven Software Engineer with 2+ years of experience in AI/ML integration, microservices architecture, and scalable system design. Proven expertise in Python, containerization, and cloud-native applications with demonstrated ability to optimize performance and reduce infrastructure costs by 27%.

TECHNICAL SKILLS

Languages & Frameworks: Python, FastAPI, Django, Pydantic, SQLAlchemy, HTML, CSS
Cloud & DevOps: REST API, Docker, Git, Linux
AI/ML: OpenAI APIs, Meta AI, Gemini, LLM Integration, NLP, Prompt Engineering
Databases: PostgreSQL, MongoDB, Neo4j, Qdrant, Pinecone, Vector DBs
Data Engineering: Web Scraping, Web Crawling, Data Extraction, Data Validation

PROFESSIONAL EXPERIENCE

Software Developer   September 2023 – Present
PriceSenz   *Kochi, Kerala*

- Engineered conversational AI agents using LLMs and microservices architecture, achieving 93% customer satisfaction rate
- Developed cloud-native applications using container technologies, reducing infrastructure costs by 27%
- Applied advanced prompt engineering on OpenAI and Meta AI platforms, enhancing response accuracy by 41%
- Built knowledge distillation pipeline using Python and ML frameworks, improving model performance by 35%
- Developed adaptive assessment system that dynamically generates questions based on user responses and evaluates performance in real-time

KEY ACHIEVEMENTS

Finalist – Gen AI Exchange Hackathon (World's Largest Agentic AI Hackathon), Bengaluru

- Built automated multigrade classroom scheduling system for rural education using Gemini API and FastAPI
- Implemented web search APIs for dynamic data retrieval and conflict-free timetable generation
- Developed scalable backend handling complex scheduling algorithms with REST API architecture

PROJECT EXPERIENCE

End-to-End AI-Based RFP Analysis & Automation | *PriceSenz*

- *Technologies: Python, Web Scraping, NLP, Document Intelligence, LLM, PDF Generation*
- Built automated RFP scraping system from multiple sources to identify prime business opportunities
- Implemented analysis pipeline to evaluate and rank RFPs based on company fit and opportunity potential
- Developed automated form-filling solution using markdown extraction and LLM-based content generation, creating pre-filled submission PDFs

Job Seekers-Recruiters Matchmaking Platform | *Talentz AI*

- *Technologies: FastAPI, Python, Neo4j, Vector DBs, OpenAI, Gemini, SQLAlchemy, Pydantic*
- Sole AI/ML engineer developing intelligent candidate-job matching system using OpenAI for resume and JD extraction with Pydantic validation
- Built web scraping pipelines to aggregate job postings and architected hybrid database solution combining Neo4j and vector databases for semantic matching
- Implemented SQLAlchemy-based data persistence layer with type-safe Pydantic models for candidate and job profile management
- Developed automated assessment generation system for shortlisted candidates using Gemini API

EDUCATION

Bachelor of Technology in Computer Science   2019 – 2023
Cochin University of Science and Technology   *Kochi, Kerala*

- GPA: 8.3/10.0