

```
# Use a lightweight Python base
FROM python:3.10-slim

WORKDIR /app

# Install system dependencies
RUN apt-get update && apt-get install -y --no-install-recommends \
    build-essential \
    && rm -rf /var/lib/apt/lists/*

# Copy requirements
COPY requirements.txt .
RUN pip install --no-cache-dir -r requirements.txt

# Copy source code
COPY src/ /app/src/

# Expose API port
EXPOSE 8080

# Run the FastAPI app
CMD ["uvicorn", "src.serving.main:app", "--host", "0.0.0.0", "--port",
"8080"]
```