# ShootProof Desktop Uploader - Apple Silicon Build Steps

1. 1. Create your workspace & grab the archive

mkdir -p ~/dev/sp-uploader  
cd ~/dev/sp-uploader  
cp "/Applications/ShootProof Desktop Uploader.app/Contents/Resources/app.asar" .

1. 2. Extract the ASAR into src/

npx asar extract app.asar src

1. 3. Verify it’s pure JavaScript (easy path)

cd src  
find . -name '\*.node' # should print nothing  
grep -R -I -E '\bffmpeg|exiftool|libvips' . # should print nothing

1. 4. Flatten into project root

cd ~/dev/sp-uploader  
cp -R src/\* .  
rm -rf src app.asar

1. 5. Initialize an NPM project & add build tools

npm init -y  
npm install --save-dev electron@^27 electron-builder@^24

1. 6. Overwrite package.json with the provided configuration (paste the full JSON block)

Open package.json in your editor and replace its contents with the complete config block.

1. 7. Clean out old installs, install fresh

rm -rf node\_modules package-lock.json  
npm install

1. 8. Smoke-test natively (no Rosetta)

npm start

1. 9. Package the universal DMG and open it

npm run dist  
open dist/\*.dmg

1. 10. (Optional) Code-sign & notarize for distribution

codesign --deep --force --options runtime \  
 --sign "Developer ID Application: Your Name (TEAMID)" \  
 dist/\*.app  
xcrun notarytool submit dist/\*.dmg \  
 --apple-id you@example.com --team-id TEAMID --password "APP‑SPECIFIC‑PASSWORD" --wait  
xcrun stapler staple dist/\*.dmg