Backend Engineer - OpenCV Specialist

Remuneration:	R80000 - R100000 per month cost-to-company
Benefits:	50% medical aid contribution
Location:	Cape Town, Salt River
Remote work:	Remote work allowed optional
Job level:	Senior
Reference:	#IV002
Company:	InstaVid360

We're looking for an experienced computer vision engineer to develop image recognition, segmentation and processing for the automotive industry.

You might be a good match if:

- You have three-plus years of experience in computer vision.
- You have three-plus years of experience in general backend software development.
- You're proficient in Python and have experience with popular computer vision libraries such as OpenCV.
- You have experience deploying and maintaining computer vision systems in production environments.
- You're able to attend the occasional in person meeting in Cape Town.

What you'll do:

- Develop and implement algorithms for image processing using Python and OpenCV.
- Cut out vehicle images and add shadows underneath them.
- Collaborate with other team members to integrate computer vision components into the project.
- Test and optimise algorithms for performance and accuracy.
- Use image segmentation techniques to accurately cut out vehicle images from a background.
- Add realistic shadows underneath the vehicle images.
- Use perspective transformation techniques to adjust the orientation of the shadows based on the position of the vehicle.
- Use colour space transformations for performing image enhancements such as brightness/contrast and saturation adjustments.
- Work with large datasets of vehicle images and implement efficient processing pipelines.
- Use image quality assessment metrics to evaluate the effectiveness of image processing algorithms.
- Use camera calibration techniques for correcting distortion in images.

Company Description

We're a global automotive SaaS provider located in Cape Town, South Africa.

Posted on 18 Mar 08:55, Closing date 14 May

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Nic Carr
nic@instavid360.com
+27715298008

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See also: Specialist, Media Specialist