

Joseph Blas

Senior Program Manager with a focus in Multi-Cloud Computing and DevOps | AWS | Microsoft Azure | Google CCloud | Oracle Cloud

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[in LinkedIn Profile](#)

San Diego, CA

Summary

Senior Autonomous Vehicle Program Manager/Technician with 10+ years of experience in robotics, fleet operations, and start-up environments. Proven track record of success in leading and executing on complex projects from concept to completion. Helped launch the Google Self-Driving Car project, which has led to a whole new competitive industry of self-driving technology.

Currently specializing in Cloud & DevOps technologies through the implementation of projects based on real scenarios with focus on technologies and services from AWS, Microsoft Azure, Google Cloud and Oracle Cloud with the objective of supporting companies in their migration and modernization journeys from on-premises to Cloud.

Experience

Certification

Google IT Support

Coursera by Google | September 2022 [Link](#)

Amazon Web Services (AWS) Bootcamp - TCB1001EM1

The Cloud Bootcamp | 2023 [Link](#)

AWS Cloud Solutions Architect Specialization

Coursera by AWS | May 2023 [Link](#)

Programming with Python

Coursera by University of Michigan | August 2022 [Link](#)

Autonomous Systems Technician

Pronto.ai | San Francisco | 04/2018 - 03/2019

- As a key contributor to a lean team of fewer than 10, successfully participated in a seamless road trip from San Francisco to New York in a self-driving car without any disengagements.
- Integrated drive-by-wire hardware, PC builds, cameras, GPS, and power supply onto a fleet of Prius and Trucks.
- Provided safety driver support for 75% of the time during testing of new software releases and demo ride along.
- Shop/Lab build up and maintenance: Proven ability to install, configure, and maintain equipment, materials, and software in a shop or lab environment.
- Camera and Vehicle procurement specialist.

Senior Technician for Autonomous Trucks Group

UBER | San Francisco | 08/2016 - 01/2018

- Prepared and maintained the entire hardware stack for the Otto Self-Driving Semi-truck Budweiser demo in October 2016, resulting in 200 autonomous miles without driver intervention.
- Supervised the merger of Uber ATG's hardware with Otto trucks following their acquisition by the San Francisco team.

Open Source Software Development, Linux and Git Specialization

Coursera | March 2023 [Link](#)

The Unix Workbench

Coursera by Johns Hopkins University | 2019 [Link](#)

Skills

Linux MacOS Windows

MongoDB Express React Node.js Javascript

AWS GCP Azure OCI Kubernetes Docker

Terraform Jenkins Ansible DevOps Git Python

Find me online

Medium: [M medium.com/@joeblas](https://medium.com/@joeblas)

GitHub: [G github.com/joblas](https://github.com/joblas)

Website: [G jblas-dall-e.com](https://jblas-dall-e.com)

- Managed a team of 4 technicians and organized a workflow to complete ~10 trucks and 4 iterations of various sensor configurations from scratch.
- Facilitated communication between the engineering and technician teams to manufacture DBW's, sensors and wiring harnesses to be installed on the trucks.
- Utilized Git to contribute wheel encoder calibration changes to the Uber ATG codebase. The changes were implemented in accordance with the team's coding standards and were thoroughly tested before being merged into the main branch.

Senior Program Manager

Google | Mountain View | 2011 - 2016

- Achieved Google's first major milestone by completing 150,000 autonomous miles in 2009.
- Hand-built the first fully electric prototypes, which led to the decision to build an additional 75+ cars from scratch designed for self-driving. The prototypes were designed with redundancy in mind, with multiple sensors and systems to ensure safe operation.
- Managed sensor calibration efforts for the operations team, streamlining end-to-end sensor calibration time by 91%.
- Completed end-to-end rewiring of the Lexus Fleet (25 vehicles), integrating and rewiring the throttle, brakes, and steering for software to control the vehicle's actuation via in-house computer for autonomous driving.