

Job application for Software Engineer (Fullstack), Fleet Management in VIAM.

February 14th 2023

Dear VIAM hiring Team,

I am **David Mejia**, an Electrical Engineer formerly passionate about Control Systems who turned into a Software Engineer 5 years ago. When I was in Grad School I studied the optimization of the integration of Wind and Solar power plants into the power grid with Model Predictive Control. That research ended up published in the ISGT 2016 IEEE conference in Minneapolis. Also during my Master Degree in EE I took advanced control systems courses such as Linear Systems, Estimation & Identification and Hybrid Systems. After graduating from my Msc I tried to become an entrepreneur with a remote sensor network infrastructure for monitoring and diagnosis of houses and buildings structures. That experience was not successful so I decided to turn into a software engineer in part given the high volume of job opportunities and because programming had always been engaging and fun to me since my C++ and Matlab days.

Five years ago after completing a typical bootcamp of 4 months in Ruby on Rails and Javascript I got an entry level opportunity with www.order.co a New York City Startup where I had my best working experience so far and in fact I'm still in touch with its CTO. I worked remotely from Bogota because they wanted to grow an Engineering office in Colombia but after 1.5 y manager decisions resulted in the end of the project. At that moment, I decided to do a 1-1 mentorship program where I studied Algorithms, Data Structures, Pattern, SOLID, SQL, some infrastructure with AWS, Docker and K8s using Java looking to shorten my gap between EE and CS.

After Order experience and software engineering training I have been working in different start ups companies with a variety of products and team sizes ranging from logistic and transportation management systems (at lean teach io with python, node, typescript, React & GraphQL) passing by Lawtech with Docket wise (ruby on rails and vue). Finally, last year I worked with Calendly (Ruby and React) in the Growth and Activation team, where I not only learnt and did experimentation (A/B testing, feature flags etc), but also collaborate building the internal experimentation tools with 3rd party software integrations such as Optimizely, Segment and Pendo.

I'm submitting the application for the position of Job application for Software Engineer (Fullstack), Fleet Management because I found very interesting the product and vision of VIAM plus its team. The VIAM product combines both of my past and current passions that are control systems and software development, therefore I can put both of my knowledge and experience plus dedicated and passionate hard work to the benefit of developing and enhancing VIAM existing and new products.

Looking forward to hearing from you.

Sincerely,

David Mejia.

<https://ieeexplore.ieee.org/document/7781252>

<https://scholar.google.com/citations?user=nm81njcAAAAJ&hl=en>