

[Your Name]
[Your Address]
[Your Phone Number]
[Your Email]
[Your LinkedIn Profile URL]

[Date]

[Hiring Manager Name]
[Title, e.g., Head of Autonomous Driving / Engineering Lead]
[Company Name]
[Company Address]

Re: Speculative Application - Senior/Staff Autonomous Vehicle Engineer

Dear [Hiring Manager Name],

As an experienced engineer specializing in [Your Specialization, e.g., Perception, Motion Planning, or Sensor Fusion], I have long followed [Company Name]'s advancements in [mention a specific company project or technology]. I am writing to express my interest in joining your engineering team to help solve the complex challenges of L4/L5 autonomy.

Currently, at [Current/Previous Company], I lead the development of [Specific Technology or System]. My expertise includes:

- Developing and deploying high-performance [Algorithms/Models] currently running on [Type of Fleet].
- Optimizing latency and safety critical paths within the [Software Stack].
- Scaling data pipelines and simulation environments to improve [specific metric, e.g., Disengagement Rates].
- Collaborating across hardware and software teams to integrate [Specific Sensors, e.g., LiDAR, Radar, or Vision].

I am particularly drawn to [Company Name] because of your unique approach to [mention a specific technical aspect of the company, e.g., end-to-end learning or infrastructure]. I am confident that my background in [specific technical skill] would be a significant asset to your mission of [Company Mission, e.g., safer, scalable transportation].

I have attached my resume and portfolio for your review. I would welcome the opportunity to discuss how my technical expertise aligns with your roadmap for the coming year.

Thank you for your time and consideration.

Sincerely,

[Your Name]