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Dear SpaceX Hiring Team,

I grew up reading books about rockets. This isn't just about finding a job; it's about finding my place in humanity's greatest adventure.

My technical journey at the University of Washington has been deliberate and focused. While developing a fault-tolerant .NET application at Clean Power Research, I discovered my passion for building robust systems that solve complex problems. As co-founder of Clearvote, I learned what it means to create scalable infrastructure that performs under pressure—deploying a high-availability API that supported thousands of users during peak demand.

What excites me about SpaceX's Dynamics team isn't just the cutting-edge technology—it's the purpose behind it. The software I've built throughout my academic and professional career has prepared me for this role in ways I couldn't have anticipated. Implementing a real-time data procesor for my financial portfolio rebalancer taught me how to optimize systems where milliseconds matter. Creating automated testing pipelines at MCG Health showed me the importance of reliability in systems that can't afford to fail. And, leading architecture decisions at Clearvote honed my ability to consider both immediate needs and long-term scalability.

The intersection of software engineering and dynamic systems analysis is where I believe I can make my greatest contribution. My background in both technical implementation and system architecture makes me well-positioned to create the tools that will help analyze and improve Starship's performance. I'm particularly drawn to the challenge of building software that bridges multiple engineering disciplines. At Clean Power Research, I connected containerized applications with cloud infrastructure to process complex data. At SpaceX, I'm eager to apply these skills to connect structural dynamics, flight data processing, and engine dynamics into cohesive analysis tools.

SpaceX represents more than just technological innovation—it embodies the belief that humanity's future among the stars is worth pursuing. This aligns perfectly with my own values of creating technology that pushes boundaries and serves a greater purpose. I'm ready to relocate where I'm needed and dedicate myself to this mission. I want to be part of the team that makes life on Mars possible, and I believe my combination of software engineering skills, systems thinking, and collaborative approach makes me uniquely qualified to contribute to the Dynamics team.

Sincerely,
Joey Krueger