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Dear Hiring Manager,

I have nine years of experience as a Mechanical Engineer working in the aviation field; this diverse field translates well to other industries. I am a licensed EIT, with a goal of getting my PE license in 2022. I live locally, and look forward to hearing about job opportunities in the emergency vehicles industry.

My Bachelor of Science in Mechanical Engineering degree comes from St. Martin's University, an ABET accredited school. I graduated in 2012 with a 3.43 GPA overall.

I have worked for two different companies as a Mechanical Engineer. The first was Soloy Aviation Solutions and the second was Mechanical Specialties.

In my most recent position at Mechanical Specialties (2018-2021), I was project manager, test engineer, report writer, designer, draftsman, FEA analyst, FAA liaison, and more. Day to day operations consisted of ensuring project timelines stay accurate, coordinating with management, outside contractors, and FAA personnel, writing technical reports, creating detail and assembly CAD drawings, and maintaining a complex document control system. Our primary method of manufacturing was the milling machine. I created designs for parts made from steel and aluminum sheet, plate, and bar.

At Soloy (2012-2018), I learned about systems engineering, structural testing, finite element analysis, component design, technical report writing, CAD drafting, and the importance of working in a team environment. I created designs for parts made of steel and aluminum plate, sheet metal, fiberglass, carbon fiber and more. I also created designs for tooling for complex sheet metal parts as well.

Six years in the United States Air Force (2002-2008) as an airborne network administrator has afforded me the opportunity to become proficient in reading and creating technical wiring diagrams and other schematics. I have accrued nine more years of experience with wiring diagrams in my current career path.

I have many years of customer service experience from a wide range of industries; these tools are invaluable when interacting with coworkers and customers.

The aviation industry requires accurate documentation. Each airplane, helicopter, or individual part can't be certified without recording every aspect of the certification process. I have developed test and inspection documentation for many products throughout my career.

As with many companies, each employee might be asked to take on additional responsibilities when the need arises. I am ready to accept additional hats to wear. At Soloy, I stepped up to fill the position of IT Manager. On top of the daily engineering tasks, I maintained, updated, and oversaw my company's network needs.

Thank you for your time and consideration. Please feel free to call or email me if you have any questions or would like to schedule a time for an interview.

Sincerely,

Nicholas Isaacson

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