

Dear Hiring Manager,

I am writing to express my interest in the Software Engineering Intern position at Microwave Products Group (MPG), as advertised. As a second-year Software Engineering student at the University of Sheffield, I am eager to contribute to your team while gaining hands-on experience with cutting-edge software solutions in mission-critical engineering applications. With my background in full-stack development, backend systems, and ongoing projects that merge software development with real-world impact, I believe I can offer valuable contributions to MPG's diverse projects.

My academic and practical experience has given me a solid foundation in software engineering principles. Through my coursework, particularly in Data-Driven Computing, Functional Programming, and Systems Design & Security, I have acquired strong programming skills in languages such as Java, Python, JavaScript, and Ruby. I have honed my technical abilities by building projects like my CRM system, where I integrated JWT authentication and reinforced my understanding of API design. I also developed an AI-driven audit management system for The Gene Therapy Innovation and Manufacturing Centre (GTIMC), which has real-world applications in streamlining compliance tracking and enhancing audit workflows.

I am particularly excited about the opportunity at MPG to further develop my technical skills by working on software projects that connect and protect people globally. Your team's expertise in mission-critical components for aerospace, defense, and telecommunications aligns perfectly with my passion for engineering impactful solutions. I am eager to contribute to updating and improving software, ensuring usability, and learning about the software development lifecycle within an industry where reliability is paramount.

In addition to my technical capabilities, I thrive in collaborative environments, as evidenced by my leadership role in organizing the **Ins and Outs of Sheffield** app—a project that connects students across various disciplines to foster a greater sense of community. I am keen to bring this team-oriented mindset and passion for innovation to MPG's collaborative engineering team, where I hope to develop both technical expertise and leadership skills.

Thank you for considering my application. I am excited about the possibility of contributing to MPG's success while gaining invaluable exposure to mission-critical engineering solutions. I look forward to the opportunity to discuss how my skills and experiences can add value to your team.

Sincerely,
Nick Oni