

Aviral Garg

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Subject: Application for Senior Software Build Engineer (Req #353)

Dear Hiring Manager,

I am writing to express my enthusiastic interest in the Senior Software Build Engineer position at Kardium. Having followed Kardium's pioneering work, I am deeply impressed by your mission to deliver the best treatment for atrial fibrillation. The recent success of your pivotal clinical study for the Globe® Pulsed Field System is a landmark achievement, and the opportunity to contribute to the reliability and efficiency of the software behind such a life-changing medical device would be incredibly meaningful.

My background in automating development lifecycles is a direct match for this role. My experience includes:

- Proficiency in Python, used to create custom automation tooling that saved 7 developer hours weekly, and Kotlin, used to architect critical applications achieving 100% test coverage.
- Designing and implementing automated CI/CD pipelines using AWS CDK and Azure DevOps, which eliminated manual deployments and saved over 12 dev-hours/week.

I am passionate about building tools that improve developer velocity. At Amazon, I developed Project "Scout," a local-only Python-based AI agent to solve documentation bottlenecks. It could instantly answer developer questions, identify documentation gaps, and integrate with ticketing systems, achieving an 82% improvement in question resolution time and projecting 240+ monthly developer-hours saved. This experience of proactively creating tools to support engineering teams is central to the Senior Build Engineer role.

My commitment to efficiency is also shown in my work automating developer onboarding, a project that reduced new-hire setup time by 75% and saved 3,528 developer-hours annually.

While I have not worked directly in a medical device company, my experience building systems processing 40TB of data daily and reducing on-call incidents has given me a deep appreciation for the reliability, security, and quality paramount in a regulated setting.

The opportunity to apply my skills in automation, CI/CD, and developer tool creation to help commercialize the Globe® System is a compelling prospect. I am eager to contribute to the efficiency of your development and test teams as you enter this exciting new phase.

Thank you for your time and consideration. I look forward to the possibility of discussing my qualifications further.

Sincerely,

Aviral Garg