

To Whom It May Concern:

I am writing this letter to enthusiastically recommend Ahmed Alshaybani for his outstanding contributions to the tscircuit project. tscircuit is a US-based company and open-source tool for designing electronic circuits using TypeScript. Our libraries and platform bridge the gap between software development and electronic circuit design, allowing developers to create and manipulate circuit designs programmatically.

Ahmed has been a major contributor to tscircuit, demonstrating exceptional skills in software development, problem-solving, and electronic circuit design. His contributions have significantly enhanced the functionality and user experience of the tscircuit ecosystem. I would like to highlight some of Ahmed's key accomplishments:

1. PCB Viewer Enhancements: Ahmed added support for custom PCB board outlines in our React/Typescript PCB viewer. This feature greatly improves the flexibility of circuit board design, allowing users to create non-standard board shapes to fit inside specific enclosures and mounting configurations.
2. Gerber File Support: He implemented Gerber support for board outlines. This addition is crucial for manufacturing processes, as Gerber files are the industry standard for PCB production. Serializing Gerber board outlines required a deep understanding of Typescript and understanding of extensive format specification.
3. Ahmeds contributions to tscircuit's core have required proficiency in Typescript and have reduced bugs in the tscircuit library. **In total, Ahmed has made nearly 100 contributions enhancing the tscircuit library across our ecosystem of npm modules.**

Throughout his work on the tscircuit project, Ahmed has consistently demonstrated a deep understanding of both software development principles in a NodeJS/Typescript/React setting and electronic circuit design concepts. His ability to bridge these two domains has been invaluable to the project's success.

Ahmed's contributions go beyond just adding features; he has shown a keen eye for improving code quality, maintaining consistency across the project, and enhancing the overall architecture of the tscircuit ecosystem. His work has made the platform more robust, user-friendly, and industry-compatible.

In conclusion, I wholeheartedly recommend Ahmed Alshaybani. His technical skills, attention to detail, and commitment to quality make him an asset to any team or project. Ahmed's contributions to tscircuit have been instrumental in advancing the platform's capabilities and user experience.

If you have any further questions about Ahmed's qualifications or his work on the tscircuit project, please don't hesitate to contact me.

Sincerely,

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