

COVER LETTER

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Hiring Manager
Sobriety Hub Software

Dear Hiring Manager,

I am writing to express my enthusiastic interest in the Software Engineering Internship position at Sobriety Hub Software, as advertised via the WashU SKIP program. As a current Master's student in Computer Science at Washington University in St. Louis, with a strong foundation in web development and a passion for creating impactful applications, I am excited by Sobriety Hub's mission to support sober house operators and believe my skills align perfectly with your requirements. The fact that Sobriety Hub was founded by WashU alumni makes the opportunity even more appealing.

The job description emphasizes the need for experience with React.js and Node.js, along with the ability to work independently on projects. In my previous role as a Data Analyst Intern at Lab714, I gained hands-on experience engineering software using React and AWS to manage and analyze IoT data, directly contributing to a 20% reduction in costs for clients. This experience solidified my proficiency in building functional and efficient front-end components. Furthermore, my project portfolio showcases my backend capabilities with Node.js; for instance, I developed a feature-rich multi-room web chat application using Node.js and Socket.IO, implementing real-time communication and room management features.

My background is further complemented by extensive independent project work, demonstrating the self-starter attitude you seek. From developing AI agents for games to implementing deep reinforcement learning for datacenter optimization (achieving a 35.8% energy efficiency improvement in simulation), I consistently seek opportunities to learn, apply new technologies, and build complete solutions. My coursework, including Rapid Prototype Development, and skills in JavaScript/TypeScript, Git, AWS, and various databases provide me with a robust technical foundation for this role. I am proficient with React and Node.js and eager to learn and apply Next.js within your stack.

I am deeply impressed by Sobriety Hub's commitment to providing a user-friendly management tool for a vital service. My experience as a Graduate Assistant supporting student success initiatives has reinforced my desire to contribute to technology that makes a positive difference. I am confident that my technical skills, proactive approach, and collaborative spirit, honed through various leadership roles on executive boards of various student organizations, would make me a valuable asset to your team.

Thank you for considering my application. I am eager to discuss how my skills and enthusiasm can contribute to the growth and enhancement of Sobriety Hub and welcome the opportunity for an interview at your earliest convenience.

Sincerely,

Aadarsha Gopala Reddy