

Cover Letter

Dear Hiring Manager,

I am writing to express my strong interest in the Sr. Software Engineers position. With a proven track record of 10 years as a Software Engineer specializing in Full-Stack frameworks and DevOps pipelines, I am confident in my ability to contribute significantly to your team's success.

In my current role at ITHAKA, I have been entrusted with leading the library team within the JSTOR Front end team, where I have consistently delivered high-quality results. My proficiency in React, Python, Django, and Typescript has allowed me to implement and maintain new features while working closely with cross-functional teams to plan and execute quarterly goals. My experience in automating re-usable solutions and establishing CI/CD pipelines using Gitlab YAML and K8S has led to expedited project deliveries and increased software reliability. Gaining interest from the CI/CD pipelines, I am proud to be **Certified Kubernetes Application Developer from February 2025**. As a result of implementing these pipelines from scratch, I learned a lot about how to debug applications together faster and quicker. Thanks to my mentors at ITHAKA for helping me get better at debugging. The skills I learned from them helped me to work smarter and faster. As someone who believes in knowledge sharing, I passed the same knowledge to Jr. Engineers and Interns on the team.

As a Sr Software Engineer on the library team, I always think about how our team can enhance experience from both perspectives of End User and DX for engineers. So, I introduced a new micro frontend application that can be mounted on any app to gather feedback from the end user. In addition to that, I regularly review user feedback with my product owner to improve end user experience. Along with that, I work with Product owners and agile coaches to plan product and tech work across quarters, make sure features can be measured using Google Analytics and Databricks as evidence.

My curiosity towards releasing software that is useful for the world started right after I graduated, so I always dreamt of releasing mobile/web applications that made me play with various frameworks such as Flutter, Swift, NextJS, AstroJS and even plain Javascript a lot. But, I was able to fulfill my dream in summer 2025 by releasing a Full stack web application for Michigan Cricket Association (www.fantasyleaguemichca.org). When I got an opportunity to enhance Michigan Cricket Association's Seasonal Fantasy league, I said Yes to it and I

implemented a Full Stack web application (using NextJS, Prisma and Vercel) in which participants can predict Games and gain points over the season 2025. This is just for entertainment purposes with no money transfers involved in the website. The earlier process was users predicting games using Google sheets. With this new website (www.fantasyleaguemichca.org) , participants can predict games anytime, anywhere. I am very proud of this application as I worked with non-technical stakeholders and how I am able to convert their ideas into real world applications. Any governing body member from Michigan Cricket Association can attest to this feedback.

In this evolving world where everything can be achieved by asking questions to a Chatbot, I started learning more about OpenAI and related models to automate smaller things in my daily life. Using LangChain/Langgraph,/Langsmith, I implemented two RAG agents that will answer questions about my resume and daily standup notes at work. With what I learned so far from my RAG learning, my next step is to introduce a new AI Chatbot in Fantasyleague website (from above). My ideal workflow is that users can make predictions, see standings and get some AI based suggestions by just chatting with Chatbot instead

Note: All of these are currently in my private Github repo, I can open up these repos as per request.

I hope you could see me as a great fit in your team and doing great things together very soon. I am looking forward to talking to you.

Sincerely,

Satya Achanta Venkata