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Software Engineer

Dear Disney Hiring Manager,

I am excited to be applying to the Software Engineer position at Disney.

With a Bachelor's degree in Computer Science, currently pursuing a Master's degree in Software Engineering, and the experience obtained throughout my employment at Matador Emerging Technology and Arts Lab (META+LAB), I believe I will be a great asset to your organization. Even though I will be graduating this coming fall, I only have one evening course left to complete, so I will be able to work full-time.

At META+LAB, we use Agile and Scrum methodologies, such as sprint planning, daily stand-ups, backlog refinement with Jira, sprint retrospective, and client demos. As Scrum Master, I am leading the development team, which is composed of two front-end developers, two back-end developers, and one dev-ops, towards the completion of the application through weekly scum ceremonies. I am also a software engineer of my team, having worked on various front-end and back-end tasks, such as implementing Vue-Croppa for image uploads, improving query efficiency with eager loading, and creating middleware for different roles. As a back-end intern at the same company, my team utilized the repository pattern and leveraged test-driven development to build a calendar microservice. The technologies we use at META+LAB are Laravel, Vue, Vuex, MySQL, PHPUnit, Sass, AWS, Docker, Travis CI, Git, and Jira.

Currently, my two classmates and I are implementing a job search web application for both recruiters and job seekers. If a user registers or logs in as a recruiter with their CSUN email, they may create, view, edit, or delete a job posting. They can view all of the job postings of all the recruiters on their dashboard. They can also view applicants of a job posting and message them in real-time. If the user logs in as a job seeker, they will be able to set up their profile/resume, search for jobs with a keyword or at a location, apply to a job, and view jobs they have applied to. They will also receive notifications regarding when their submitted application was viewed or when the job posting has closed. Any user, even a guest, has access to the contact us page, where they can send us an email, or they can ask our chatbot a question if they need assistance. After writing automated tests, we are using a Maven plug-in called Jacoco for code coverage. We deployed the database using the Google Cloud Platform, and our web application itself is deployed on AWS. The technologies we are using are Spring Boot 2, Angular 7, MySQL, Python, Google Cloud Services, Heroku, Git, Maven, Hibernate, Tomcat, JUnit, Mockito, and Auth0.

Recently, I took an Object-Oriented Software Development course at California State University, Northridge. Throughout the entire course, I built a blog as a full stack single-page application using Laravel, Angular 4, and MySQL. The web application is an MVC that uses token-based authentication, as well as authorization. It leverages Laravel's Eloquent ORM, which is for object-relational mapping, and uses foreign keys in MySQL. The application follows the SOLID principles for maintainable and understandable code. Besides using Angular as an MVC, I added an extra layer for services to be responsible for making the HTTP requests to the back-end API. Throughout developing this application, I also wrote unit tests in both Angular, using Jasmine and Karma, and Laravel, using PHPUnit. Aside from building a full stack web application, another requirement was to deploy it, which I deployed the back-end and database using AWS and the front-end using Microsoft Azure.

I have built many full stack web applications and Web APIs throughout the past few years. Another project I recently implemented was a real-time chat with authentication and authorization using MongoDB, Express, Vue, Node, and Socket.io. Users are able to view their conversations page, their conversation with a specific person, and send a new message.

During my free time, I like to learn new technologies and add on to old projects in order to improve their quality. As a software engineer, I will bring my work ethic, passion, adaptability, and commitment to learning to Disney.

Thank you for your time and consideration. I look forward to speaking with you about this opportunity.

Sincerely,
Armine Khachatryan