Job Description
Senior Software Engineer

Foundry College, a new type of two-year college, seeks a full-time Senior Software Engineer. The Senior Software Engineer will be a key member of the team, reporting directly to the CEO and working in conjunction with our current engineering lead. The job requires someone who can ensure that all aspects of Foundry's proprietary technology platform run smoothly and efficiently and develop new technology as needed. As Foundry grows, this person will also play a key role in building out Foundry's engineering and technology team.

Applicants should be passionate about education and excited about Foundry's mission to provide students with an education that aligns skills and knowledge with the jobs of today and tomorrow. Successful applicants should also have experience collaborating with cross-functional teams, excellent communication and leadership skills, and a strong work ethic. Joining us at this stage means you will have the opportunity to help lead the development of our learning platform and define the future of Foundry's technology.

Responsibilities:

I. Develop and manage software (immediate priority)
- Develop and manage company's proprietary Learning Management System.
- Leveraging the technology we have built to date, develop a scalable solution for media communication between multiple parties and integrate it into existing system.
- Build a delightful, usable, and accessible online interface for student and faculty users.
- Iterate to refine student and faculty experience on the platform and regularly refine existing code.
- Collaborate with instructional designers and course assistants to load course content onto platform.
- Engage in exhaustive testing and bug fixing.
- Evaluate and set up software for students, faculty, and operating team.
- Set up and manage Student Information System.

II. Manage a team to develop new software as needed (future priority)
- Manage a team to develop new software, as needed:
- A dashboard to allow students to monitor their competency levels.
- Dynamic allocation to breakout groups, based on comparable quiz scores.
- Creation of quizzes by sampling without replacement from a large pool of items.
- Auto-scoring of quizzes.
- Manage team of IT professionals
- Ensure that they serve the staff appropriately.
- Ensure that they serve the students appropriately.

III. Work with internal stakeholders and cross-functional leaders to develop and execute on business goals
- Lead the development of a vision and strategy for our technology team, helping to guide the technological foundation of our academic program and operations.

- Work in close partnership with the CEO, Faculty, Operations, Marketing, and Partnerships teams to build a best-in-class experiences for students and faculty.
- Technical Requirements:
- Demonstrable competence in building software.
- 4+ years of full-stack Web development experience.
- 3+ years of experience in the development of Web applications with JavaScript and Node.js.
- Experience with WebRTC and VoIP services, such as Twilio and Tokbox.
- Understanding of React.
- Prior experience with AWS (S3, DynamoDB), Redis.
- Prior experience with Terraform.

Other Requirements:
- Outstanding organizational and leadership abilities.
- Excellent interpersonal skills.
- Excellent decision-maker and problem-solver.
- Open to new ideas; adaptable.
- High energy and entrepreneurial spirit.
- Enthusiasm for Foundry College's educational mission.
- Experience managing a tech team preferred.

How to Apply:
Please submit your cover letter and resume as a single attachment to careers@foundrycollege.org when applying and reference the role you are applying for in the subject line.