

Sooyung Kim

Software Engineer

Lakewood, CO 80215 | (651)-249-3017 | kimx1279@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

SUMMARY

I am a self-motivated software engineer who spent over a decade in medical devices, where I developed abilities to be methodical, analytical, and a critical thinker. I led 3 successful FDA 510(k) clearances as a subject matter expert while working cross-functionally. I am passionate about learning and cultivating technical skills and looking to grow my career as a software engineer.

SKILLS

Languages/frameworks: Ruby, Ruby on Rails

Tools/Workflow: ActiveRecord, Postgresql, HTML, CSS, Test-driven development, RESTful routing, API, SOA, WebMock, VCR, Git, GitHub, Heroku, Agile, Serializer, Bootstrap, OAuth2.0, caching, Cypress

SOFTWARE PROJECTS

Mon Recette (Group) [GitHub Repo](#)

Full-stack application built to save recipes from a link or search term provided by a user

- **Develop:** Crafted a backend application with Ruby on Rails that incorporated web scraping. Established RESTful API endpoints for recipe searches. Implemented a process of continuous integration and continuous deployment through CircleCI and Heroku. Created recipe data in PostgreSQL and maintained database.
- **Lead:** Guided the team throughout various project phases from planning, building requirements, development, and launch.
- **Collaborate:** Cooperated with team members, delegated tasks, and assisted front-end team members with styling and cypress testing deliverables.

FasTracks (Group) [GitHub Repo](#)

Full-stack application built to create custom music playlists based on the workout type

- **Design:** Integrated front-end application with Ruby on Rails that utilized OAuth2.0, caching, and mobile-friendly views, as well as requested API data from the backend application.
- **Create:** Contributed to the development of a service-oriented architecture application using HTML, CSS, and Bootstrap

Market-Money (Solo) [GitHub Repo](#)

Full-stack application built to find sustainable and local alternative vendors

- **Generate:** Developed RESTful API app to expose the data through multiple API endpoints
- **Apply:** Implemented error handling process for API endpoints utilizing serializers to adhere to the single responsibility principle

Viewing-Party (Group/Solo), [GitHub Repo](#)

Full-stack application built to create a viewing party with friends

- **Implement:** Created a new viewing party page, where a user can create a party with the date, time, the duration of the party, and add participants
 - **Build:** Developed methods to authenticate users using one-way encryption on the user's password, created user sessions limit access to various pages based on logged-in status
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EXPERIENCE

I have over 10 years of experience in the medical device field, where I held various roles in quality, sterilization, biocompatibility, medical device software, and regulatory affairs. As a regulatory affairs specialist, I collaborated cross-functionally with extended team members to create an FDA submission to clear a new device to the US market. In this role, I offered high-level submission strategies to the stakeholders and identified potential risks associated with each scenario. I actively participated in the product development process from the planning phase, providing regulatory guidance to align with the regulations. For more information, please refer to my [LinkedIn](#) profile.

EDUCATION

Turing School of Software & Design, Denver, CO, AUG 2023 - MAR 2024

University of Minnesota, Minneapolis, MN — Bachelor of Science in Chemistry, SEP 2007 - AUG 2012