

EDG Development Proposal



Who are we:

Hazard Zero was started in 2025 with a focus on food safety compliance and tracking software for food producers and distributors. Our goal is to enable companies feeding the planet to grow and navigate compliance more easily with intuitive software. While our focus remains on our original software, we are looking to bring our underlying systems to biomedical laboratories and create new software to handle evolving food and pharmaceutical regulations.

Problem Description:

Lab managers & operations managers are required to create and keep hundreds to thousands of documents up to date, aligned with their manufacturing processes, to ensure compliance with GMP (Good Manufacturing Practices) & SQF (Safe Quality Food). These documents are unique to their company but are based on a general federal government template. It would generally take a manager or the operations team tens to hundreds of working hours to create all the necessary documents for their company, and they would need to update them whenever equipment or processes change.

Project Description:

The goal of the project is to develop a new tool for users in both the food and biomedical lab spaces to expedite their GMP & SQF regulatory practices. Expedited Document Generation (EDG).

The MVP of this tool will prompt the user for information about their business, functions, and warehouse. Parse the ingested information for malicious prompts and pass it to an AI with context on SQF/GMP Documentation to compile a list of possible documentation needed for the user. The user will then be able to check the documentation needed on and off. When the user requests to export their documentation, the tool will format it to government standards and export it as a PDF.

To build this MVP, the team will utilize a combination of Rust, TypeScript + Framework, Infrastructure as Code, Cloud Networking & Storage.

Student Skill Set:

- Strong problem-solving ability
- Experience with a typed language, preferably Rust/Typescript
- Experience making API calls
- Understanding of Rest API's
- Git experience
- An understanding of Cloud Environments

Logistical Info:

4-5 students. Location: Remote, with option to work occasionally in a co-working office in Boulder. We are expanding our development team and would like to fill an intern/junior position via this program.

Contact Information:

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