

# Project Proposal

**Project Title:** DevCollab Platform

**Group Number:** 12

**Group members:**

1. Kostiantyn Ilnytskyi (30235641)
2. Divya Gude (30203095)
3. Sunwoo Back (30229413)

## Introduction:

A **developer** refers to a person who writes software code, while an **entrepreneur** is an individual who creates business ventures. A **collaboration platform** is a digital tool that facilitates teamwork and partnerships between individuals. Developers and entrepreneurs often face difficulties finding suitable collaborators for projects. This results in wasted resources, and lost opportunities. The **DevCollab Platform** is designed to help developers and entrepreneurs connect easily. It allows users to collaborate on projects, find developers for business ideas, and network based on shared goals and interests. Our motivation is to build a platform that creates an efficient collaboration and networking that can significantly improve the success of development projects.

## Problem Definition:

The challenge of finding skilled partners for software development projects has long been an issue in the tech industry. Developers and entrepreneurs have often relied on personal networks or generic job boards to find collaborators. This problem is interesting because collaboration is at the core of successful innovation in the tech industry. Despite the abundance of digital tools for communication and networking, there remains a disconnect between developers and entrepreneurs when it comes to finding the right partners for their projects. Platforms like LinkedIn and Fiverr attempt to solve this problem but fall short: **LinkedIn** is focused on broad professional networking, and **Fiverr** on short-term freelance gigs, neither fostering long-term partnerships or project-specific collaboration. Improving these platforms by adding project-based matching on LinkedIn and supporting sustained partnerships on Fiverr would encourage more effective collaboration.

### Problem Solution:

The **DevCollab Platform** aims to bridge the gap between developers and entrepreneurs by providing a space for seamless collaboration, long-term partnerships, and efficient project development. The project will produce an online platform that facilitates collaboration between developers and entrepreneurs. It will help users to find partners based on skills, interests, and project requirements, supporting both natural collaborations and structured hiring processes.

### Features of the project's products:

- **Collaborative Workspace:** A feature allowing developers to join or create project teams, supporting communication and resource sharing in real time.
- **Project Posting and Hiring:** Entrepreneurs can post projects, detailing required skills and timelines, while developers can apply based on interest and expertise.
- **Suggestions :** A feature that suggests developers and entrepreneurs based on complementary skills, project goals, and interests.
- **User Profiles and Portfolios:** Users can create detailed profiles showcasing their skills, past projects, and interests, helping to facilitate better matches.
- **Networking Tools:** A networking space for users to connect based on common goals or skills, promoting ongoing collaboration and community building.

### Motivation:

The **DevCollab Platform** addresses a significant gap in the tech industry by connecting developers and entrepreneurs for long-term collaboration. Existing solutions like LinkedIn and Fiverr focus on general networking or short-term freelance work, leaving a need for a dedicated space that streamlines the process of finding the right partners for efficient project development. This platform is unique in that it combines networking, hiring, and collaboration into one cohesive system, prioritizing sustained partnerships and project-specific matchmaking. By enhancing project creation and fostering innovation, **DevCollab** empowers users to build meaningful relationships based on complementary skills and goals, ultimately driving successful project outcomes and contributing to a more vibrant tech ecosystem.

### Conclusion:

The DevCollab Platform will address the challenges developers face in finding partners, ultimately fostering long-term collaboration in the tech industry. With an estimated timeline of project deliverables outlined, the project is poised for successful implementation.

### **Estimated Project Timeline**

- **October 8:** Begin website and ERD (Entity Relationship Diagram) design.
- **October 10:** Complete and submit ERD.
- **October 13:** Develop the relational model and set up the database.
- **October 20:** Submit the relational model.
- **November 10:** Submit the functional design.
- **November 20:** Gather data and users.
- **December 1:** Clean up code and conduct thorough testing.
- **December 6:** Final report and project code submission.