A **digital learning mobile-based application** with **personalized gamification** elements for students, integrated with a **web-based CMS** for teachers.
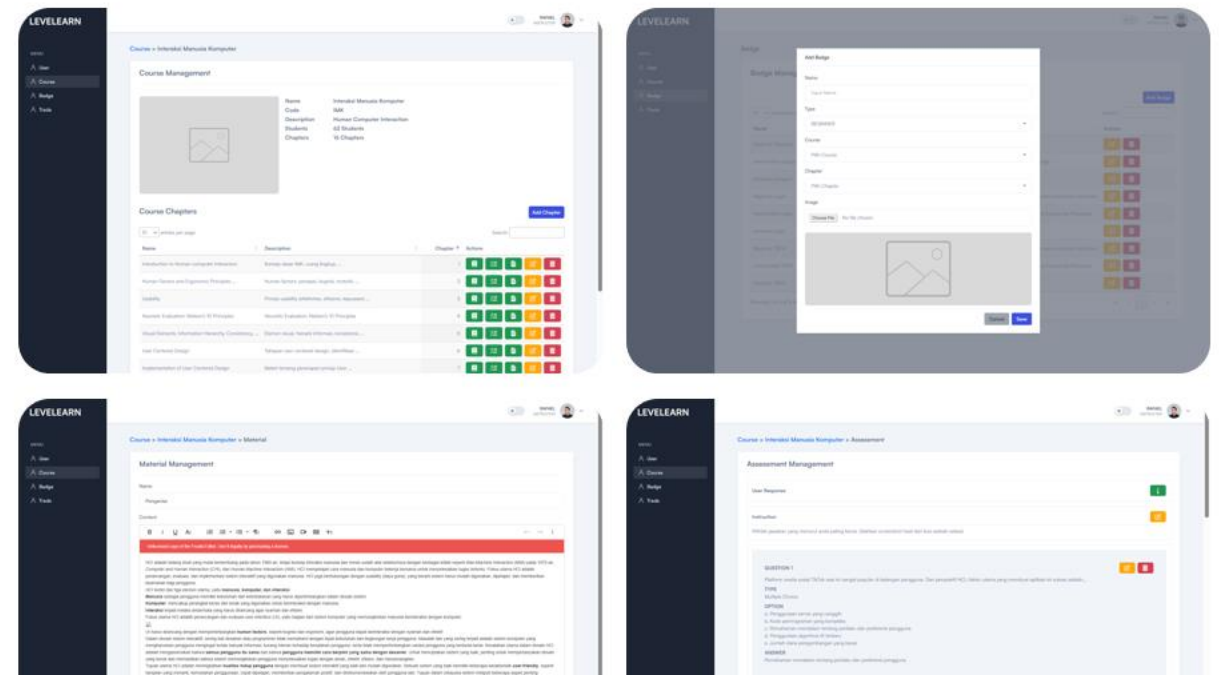
Features:
+ Course
+ Chapter
+ Material
+ Assessment
+ Assignment
+ Leaderboard & Badges
+ Market & Points

Timeline:
Sep 2024 – Present

Role:
+ Backend Developer
+ Mobile Developer
+ Web Developer

StuntGuard

Associated with **bangkit** as Capstone Project.

If you **have children**, you can **analyze** your child whether they have a **stunting disease** or not by **capturing** their image and **scan it** on this application.

Features:
+ Login and Register
+ Email Verification
+ Child Management
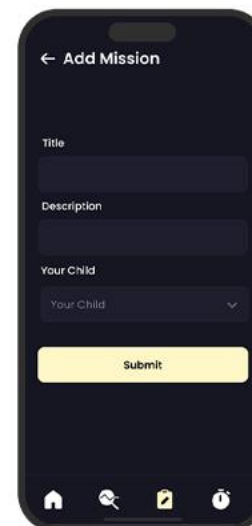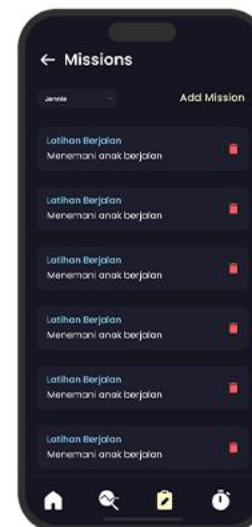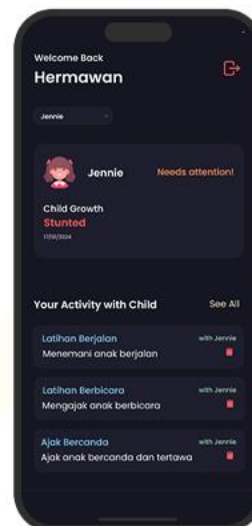+ Analyze Child
+ Child History
+ Child Mission

Timeline:
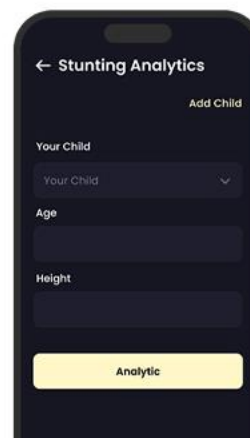May 2024 - Present

Role:
Mobile Developer

GitHub

TensorFlow
Google Cloud
android

Sign In

Email
hermawan@gmail.com

Password
••••••••••••

Sign In

Don't have an account? Sign Up

Reset Password

New Password
••••••••••••

Confirm Password
••••••••••••

Submit

StuntGuard

Prevent Stunting Optimize Child Growth

Monitor your child's development and get early stunting prevention solutions.

Continue With Email

Skip

Monitor Your Child's Growth

Stay informed about your child's development with accurate and timely growth assessments.

Next

Jennie 17/04/2024
Normal

Jennie 17/03/2024
Stunted

Jennie 18/02/2024
Stunted

Jennie 17/01/2024
Stunted

← **Add Child**

Name

Gender
Gender

Upload Photo

Submit

← **Stunting Analytics**

Add Child

Your Child
Your Child

Age

Height

Analytic

Welcome Back
Hermawan

Jennie

Jennie   Optimal Growth

Child Growth
Normal

Your Activity with Child   See All

Latihan Berjalan   with Jennie
Menemani anak berjalan

Latihan Berbicara   with Jennie
Mengajak anak berbicara

Ajak Bercanda   with Jennie
Ajak anak bercanda dan tertawa

Welcome Back
Hermawan

Jennie

Jennie   Needs attention!

Child Growth
Stunted

Your Activity with Child   See All

Latihan Berjalan   with Jennie
Menemani anak berjalan

Latihan Berbicara   with Jennie
Mengajak anak berbicara

Ajak Bercanda   with Jennie
Ajak anak bercanda dan tertawa

← **Result Analytics**

88 %
Normal
Optimal Growth

Your child's growth is below average. Immediate action is recommended.

Recommendation

1. Consult a Pediatrician
2. Nutritional Interventions
3. Monitor Growth Regularly

← **Stunting Analytics**

Add Child

Your Child
Jennie

Age
1

Height
170

Analytic

Normal

---

88 %
Stunted
Needs attention!

Your child's growth is below average. Immediate action is recommended.

Recommendation

1. Consult a Pediatrician
2. Nutritional Interventions
3. Monitor Growth Regularly

← **Missions**

Jennie   Add Mission

Latihan Berjalan
Menemani anak berjalan

Latihan Berjalan
Menemani anak berjalan

Latihan Berjalan
Menemani anak berjalan

Latihan Berjalan
Menemani anak berjalan

Latihan Berjalan
Menemani anak berjalan

Latihan Berjalan
Menemani anak berjalan

← **Add Mission**

Title

Description

Your Child
Your Child

Submit

RepoStory

You can write a **story** with an **image** and **post** it in here, and your story will be **displayed** **publicly** to **all of the user** of this application.

Technology:
- Paging3
- Retrofit & Local Storage
- CameraX & Intent Gallery
- Geo Location
- Localization
- Custom View & Animation

Features:
+ Login and Register
+ List Story
+ Detail Story
+ Add Story and Location
+ Geo Location
+ Settings

Role:
Mobile Developer

Timeline:
Apr 2024 - Jun 2024

GitHub

Asclepius

This is a **machine learning** app. If you had a picture of a **skin** or a **body**, you can import it to this app and **scan it** to see if the skin image is **detected** as **cancer** or **not**.

Features:
+ Import Image
+ Analyze/Scan Image
+ Display Analyzed Image

Timeline:
Mar 2024 - Apr 2024

Role:
Mobile Developer

Technology:
🔷 TensorFlowLite, uCrop, Intent Gallery.
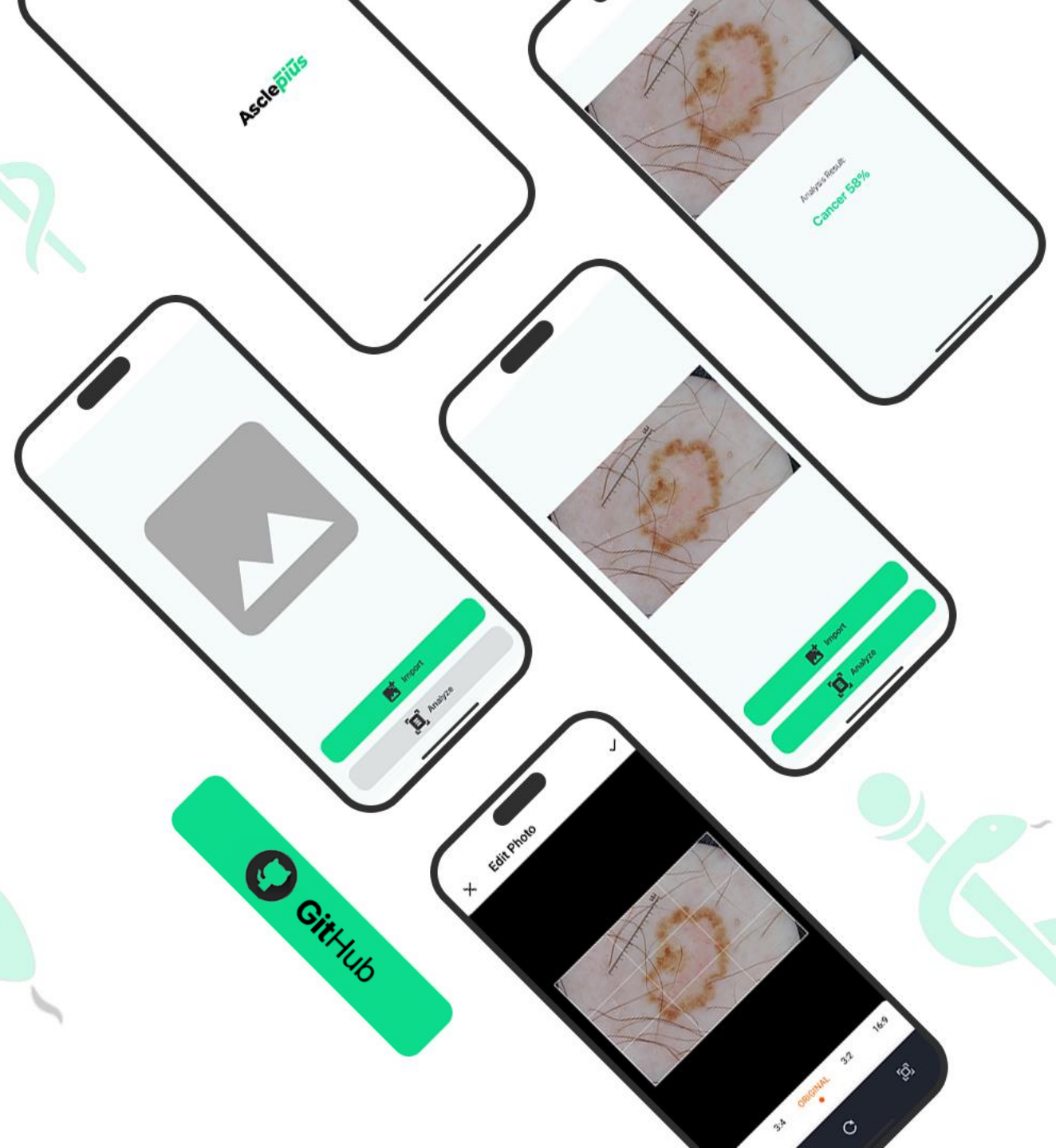
GitHub
User Finder

With this app, you can **search all** Github user account and see each account's **followers** and **following**, and can save user you like as a favorite user.
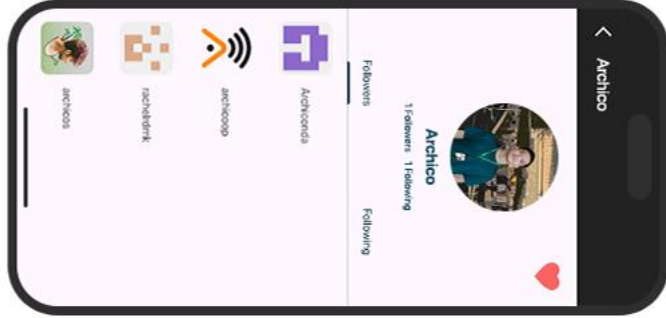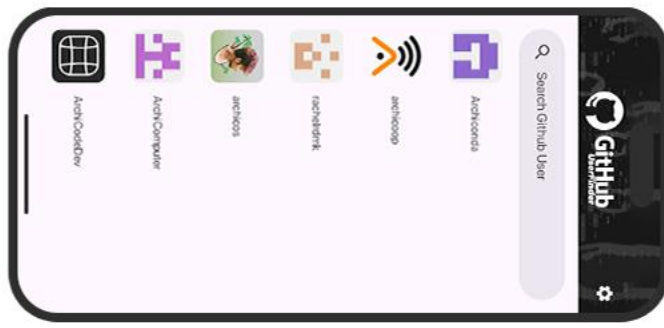
Features:
+ Search User using Github API
+ Display Followers and Following
+ Favorite User
+ Settings and Dark Mode

Technology:
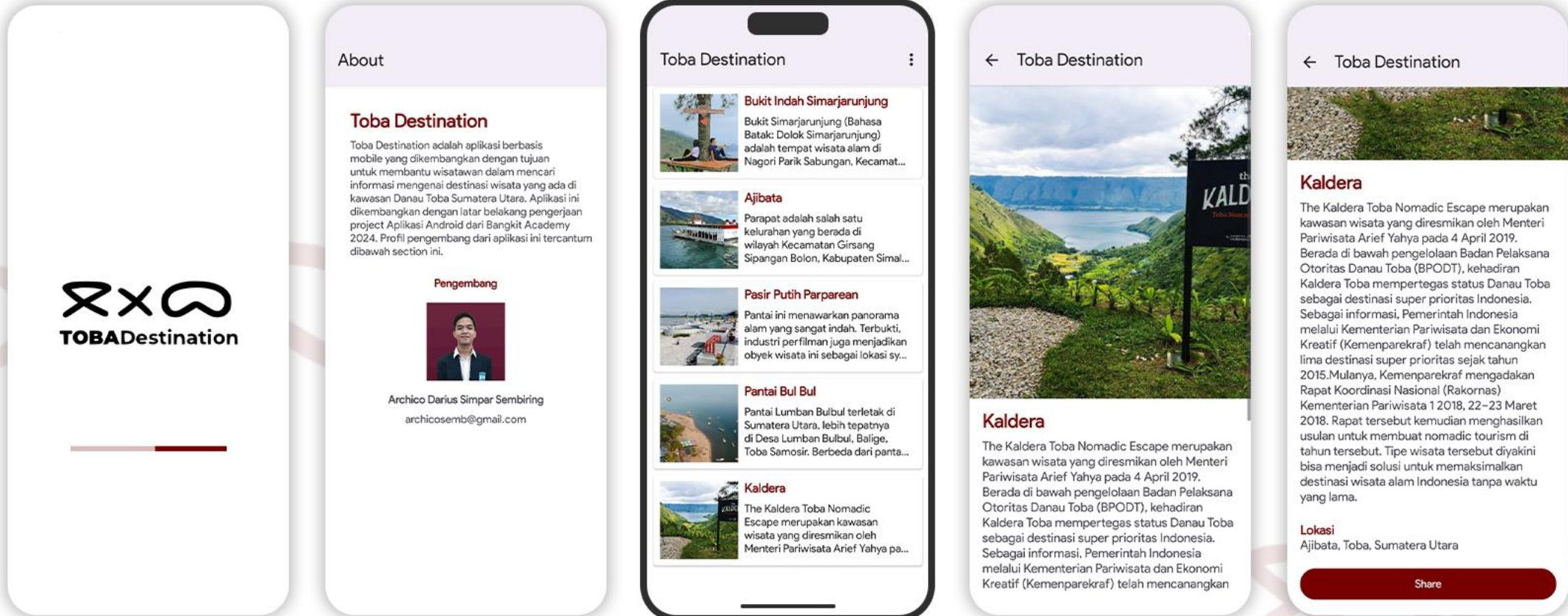Fragment, LiveData, ViewModel, Retrofit API, Glide, Dark Mode, Data Store

Timeline:
Mar 2024 - Apr 2024
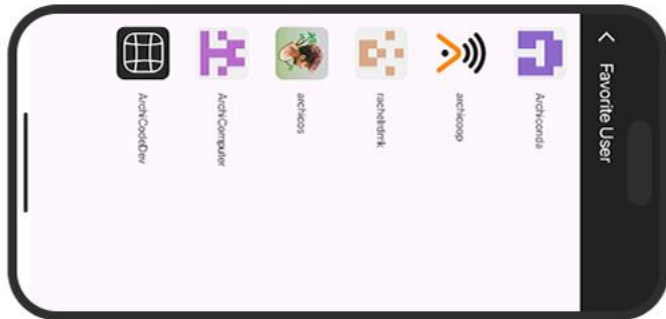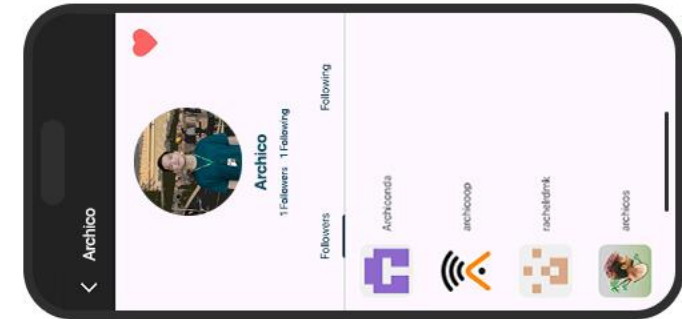
A **tourism app** to **display information** about top **tourist destination** in Toba, North Sumatera and **share the** information.

Features:
+ List Destination, Detail & Share, About

Technology:
- RecycleView, ViewAdapter
- Implicit & Explicit Intent

Role:
Mobile Developer

PROFILE

Archico Darius Simpar Sembiring

- archicosemb@gmail.com
- github.com/archicos
- linkedin.com/in/archico
- @archicosembiring

EDUCATION

Bachelors of Informatics (B.Cs)
Institut Teknologi Del
GPA: 3.82 (155 credits)

SKILLS

Mobile Development	
Frontend Web Development	
Backend Development	
Software Development Lifecycle	
Adobe Creative Design	

EXPERIENCES

Sep 2024 - Dec 2024

Software Engineer *(Internship)*
Telkomsel (PT. Telekomunikasi Seluler)

React · Expo · nest

Jun 2024 - Aug 2024

Software Engineer *(Internship)*
AirAsia (PT. AirAsia Indonesia)

Flutter · Firebase · AppSheet

Feb 2024 - Jul 2024

Mobile Development Cohort
Bangkit Academy led by Google, GoTo, Traveloka

Kotlin · Jetpack Compose · android studio

Sep 2023 - Jul 2024

Mobile Development Core Team
Google Developer Students Club

Kotlin · Jetpack Compose · android studio
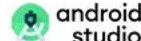
FRK & FED

FRK & FED is a website application that implements **microservices architecture** and communicates with each other using **API and HTTP methods** with **CRUD function** for database for managing work plans and evaluating employee work.

Timeline:
Feb 2024 - Jun 2024

Platform:
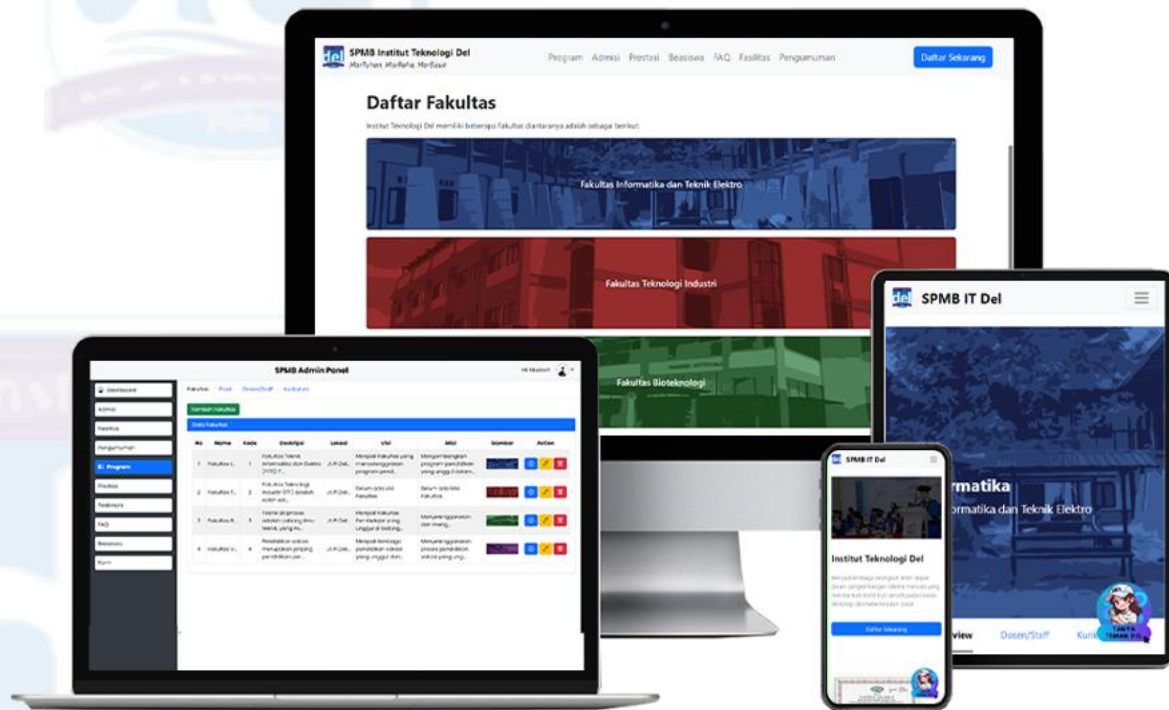Website-based microservice application

Role:
Fullstack Developer

Technology:
PHP Laravel, PHP Lumen, Bootstrap CSS, MariaDB, Postman, Git

SPMB Institut Teknologi Del

MarTuhan, MarRoha, MarBisuk

Daftar Fakultas

Fakultas Informatika dan Teknik Elektro

Fakultas Teknologi Industri

Fakultas Bioteknologi

https://semat.del.ac.id/

GitHub

SEMAT is a web-based application that has a purpose to manage a **college admission information system** of a university. This website provided information system for campus **study program, admission, achievement, scholarship, FAQ, facility**, and **announcement**. This website also including **chatbot feature** as a discussion and question forum for user.

Timeline:
September 2023 - December 2023

Platform:
Website based Application

Role:
Fullstack Developer, Scrum Master

Technology:
Bootstrap, PHP, Laravel, MariaDB, Git, GitLab

Archico.
Portfolio Website

This is a **portfolio website** of Archico that provide information about biography and personal branding with interactive components, and integrated to database so that can be **dynamicly managed** using database management system implementing **CRUD** function and **authentication** function.
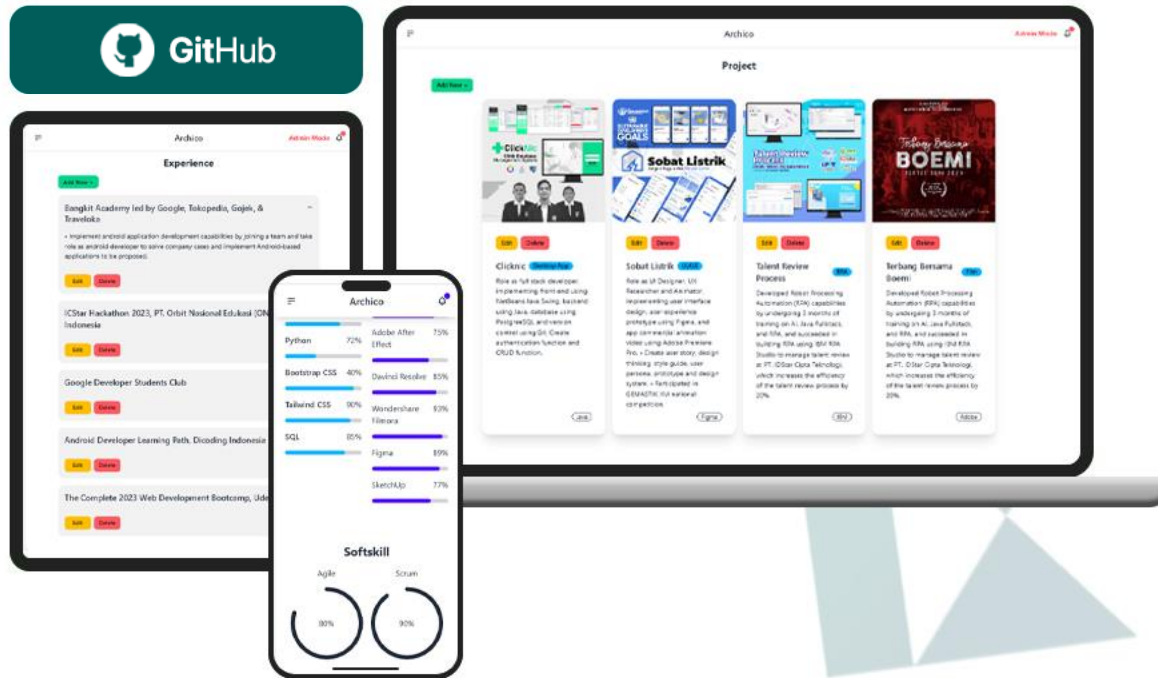
Timeline:
September 2023 - October 2024

Platform:
Website based Application

Role:
Fullstack Developer

Technology:
Tailwind CSS, Javascript, PHP, Laravel, MariaDB

Sobat Listrik
Jangan Ragu untuk Hemat Listrik

SobatListrik is a mobile application concept developed with the aim of fulfilling the Sustainable Development Goals for **smart management of electricity use**. The concept was implemented in **UI/UX design** & **prototype** and then participated in the **GEMASTIK XVI 2023.**

Timeline:
Jun 2023 – Jul 2023

Platform:
Mobile App Prototype

Role:
UI Designer, UX Researcher, Prototyper, Animator

Technology:
Figma, Adobe Photoshop

ClickNic

Clicknic is an **desktop-based application** that has a purpose to **manage data of Patient and Medicine** of a Clinic.

Timeline:
September 2024 - December 2024

Platform:
Desktop based Application

Role:
Fullstack Developer, Product Manager

Technology:
Java, Netbeans, PostgreeSQL, Figma, Git

GitHub   YouTube