

Microservice Based Software Architecture on Canteen Information Management System

Dipresentasikan oleh :

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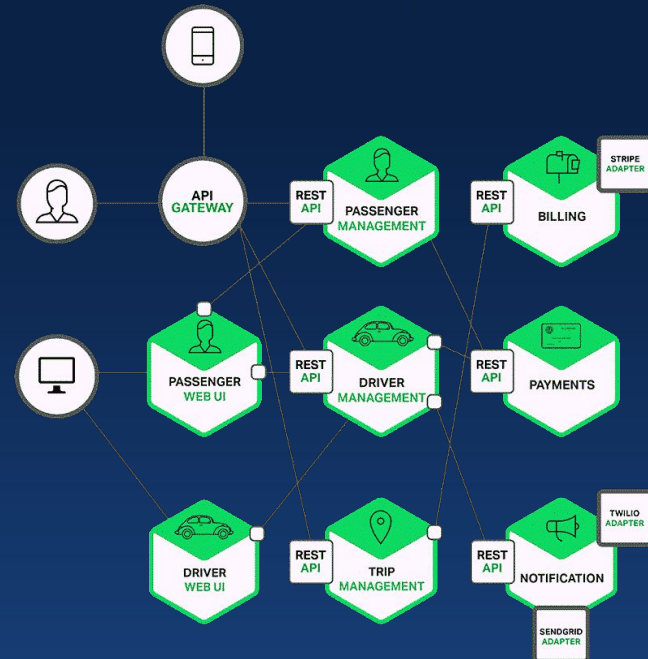
Dosen Pembimbing :

Irwan A. Kautsar, S.Kom., M.Kom., Ph.D



Latar Belakang

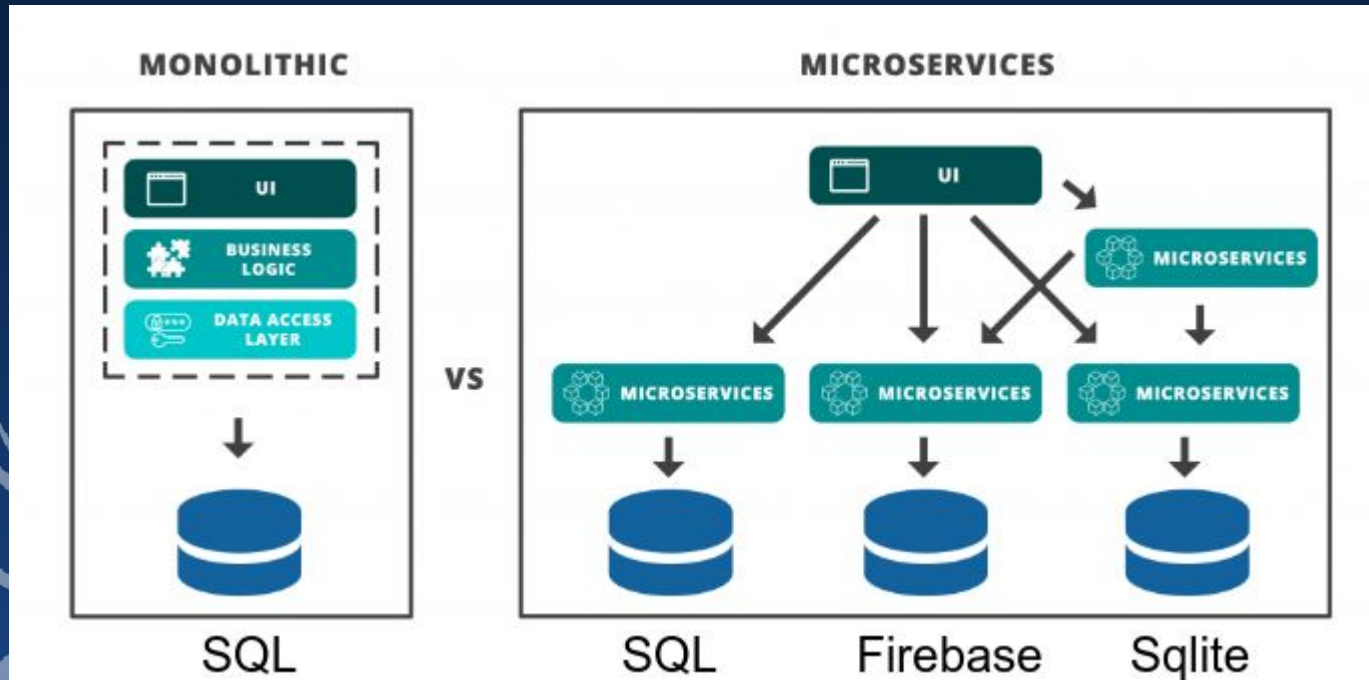
1. Sistem/Fitur yang semakin berkembang
2. Monolit tidak bisa follow up



Tinjauan Pustaka

1. Irwan Alnarus Kautsar, M. Ruslianor Maika, Agoes Nur Budiman, Arik Bagus Setyawan, Jagad Yudha Awali, “Microservice Based Architecture: The Development of Rapid Prototyping Supportive Tools for Project Based Learning,” 22963954, April 2023, 10.1109/EDUNINE57531.2023.10102884.
2. Hatma Suryotrisongko, “Arsitektur Microservice untuk Resiliensi Sistem Informasi,” Jurnal Sisfo., vol. 06, no. 02, pp. 235–250, Jan. 2017.
3. Alessandro Sinambela, Ernawati , Funny Farady Coastera, “Implementasi Arsitektur Microservices pada Rancang Bangun Aplikasi Marketplace Berbasis Web,” Jurnal Rekursif., vol. 9, no. 1, Mar. 2021.

Rancangan Sistem



Request

POST <https://b6d5-36-90-165-150.ngrok-free.app/add-mitra>

Params Authorization Headers (8) **Body** Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL

<input checked="" type="checkbox"/>	nama	Mukhammad Dayu Anwar
<input checked="" type="checkbox"/>	nama_toko	Bakso Jos
<input checked="" type="checkbox"/>	alamat	Jl. merdeka no 10 Pandaan
<input checked="" type="checkbox"/>	username	dayu
<input checked="" type="checkbox"/>	password	admin123
	Key	Value

Body Cookies Headers (5) Test Results

Pretty Raw Preview Visualize JSON

```

1 [{"message": "Add Mitra Success",
2  "status": 200}
3 ]
4 
```

Response

GET <https://b6d5-36-90-165-150.ngrok-free.app/mitra>

Params Authorization Headers (6) **Body** Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL

Key	Value
-----	-------

Body Cookies Headers (5) Test Results

Pretty Raw Preview Visualize JSON

```

5   "name": "Jeje",
6   "name_shop": "Jaya Abadi",
7   "usexname": "jeje"
8 },
9 {
10  "address": "Perum sisadad",
11  "key": "-N_CrK3LTNC11xpnDu_1",
12  "name": "Bagong",
13  "name_shop": "Berkah Jaya",
14  "usexname": "bagong"
15 },
16 {
17  "address": "Gempol Pasuruan",
18  "key": "-N_aLJJxSHSoLovgzRh",
19  "name": "davank",
20  "name_shop": "Berkah Jaya",
21  "usexname": "bagong"
22 }
23 ]
24 
```

Kesimpulan Dan Saran

Berdasarkan penelitian dan data yang diperoleh, maka dapat disimpulkan bahwa `microservices` yang telah dibuat dapat membantu `server` untuk `pengembangan` dengan `mengikuti` bahasa `pemrograman` dan `framework` yang telah ada.

Jazakumullah khairan katsiro

