



# ARVID THEODORUS

## HEAD OF SOFTWARE ENGINEER

### About

Programming enthusiast and a motivated leader in team management. Lead developer of Yap! application and successfully delivered acquiring and issuing platform of mobile push payment system. Contributed in system Integration of push payment system to VISA.NET Direct API and MasterPASS *MoneySend* API. System designer for tax payment system with socket protocol and ISO 8583 messaging format. On going in project development, maintaining and monitoring a Virtual Account *switching* system for PT. BNI.

☎ +6282226242888

🌐 <https://www.arvid.id>

✉ [arvid.thd@gmail.com](mailto:arvid.thd@gmail.com)

### SKILLS

- C#, VB.NET, ASP.NET (MVC 5)
- PHP Native, Laravel, Yii2, Slim
- Java Native, Springboot
- JavaScript & JQuery
- Docker Orcherstration
- Centos7 VM Management
- ISO 8583 Messaging
- Socket Programming
- RabbitMQ, ActiveMq
- JWT, AES/RSA Encryption
- Nagios, LibreNMS Monitoring
- New Relic APM Monitoring

### PT. SOLUSI PEMBAYARAN ELEKTRONIK

as **Head of Software Engineer** (2017 - Current)

Manage 30+ software engineer containing of web, android and IOS developer. Define KPI, optimized database and REST API performance for production web services. Responsible for maintaining day to day configuration, repository management and resource utilization.

Lead developer of QR Payment Application Yap! for PT. BNI with Debit and Credit Card source of fund also Mobile Application BERSAMA for ArtaJasa's emoney source of fund MYNT.

### PT. DOCOTEL TEKNOLOGI

as **Software Engineer** (2016)

C# programmer working on enterprise system of Telecommunication Equipment Testing Centers (BBPPT - Bintara, Bekasi) and reimbursement system. Built a *switching* for tax payment (Pajak Bumi dan Bangunan) system using ISO 8583 messaging format with socket protocol (server & client side).

### **MAGISTER of TEKNIK (S2 – M.T.)**

2013 - 2016

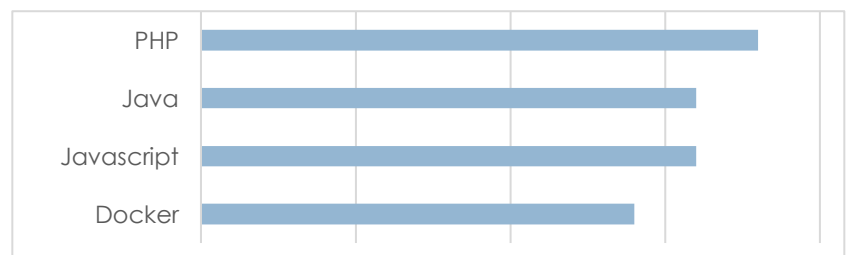
Atma Jaya University – Yogyakarta, Indonesia. Majored in Enterprise Business System.

### **COMPUTER ENGINEERING GRADUATE (S1 – S.Kom.)**

2008 - 2012

Duta Wacana Christian University – Yogyakarta, Indonesia. Majored in Information System.

- ✓ Graduated Summa Cum Laude
- ✓ 2<sup>nd</sup> Best Graduate of Information System Program Study
- ✓ Member of Microsoft Student Partner (MSP)



## PORTFOLIO

Product Name : **BNI-Ecollection**

General Capabilities & Features :

- Biller management and secret key generation + management with Role Based Access Control
- BNI Virtual Account Management
- API Service Log Management
- BNI-SPE Payment Notification Management
- Callback / Webhook to Biller for Payment Notification
- Audit Trail
- Payment Report Management

### Portal

<https://bni-ecollection.bni.co.id/>

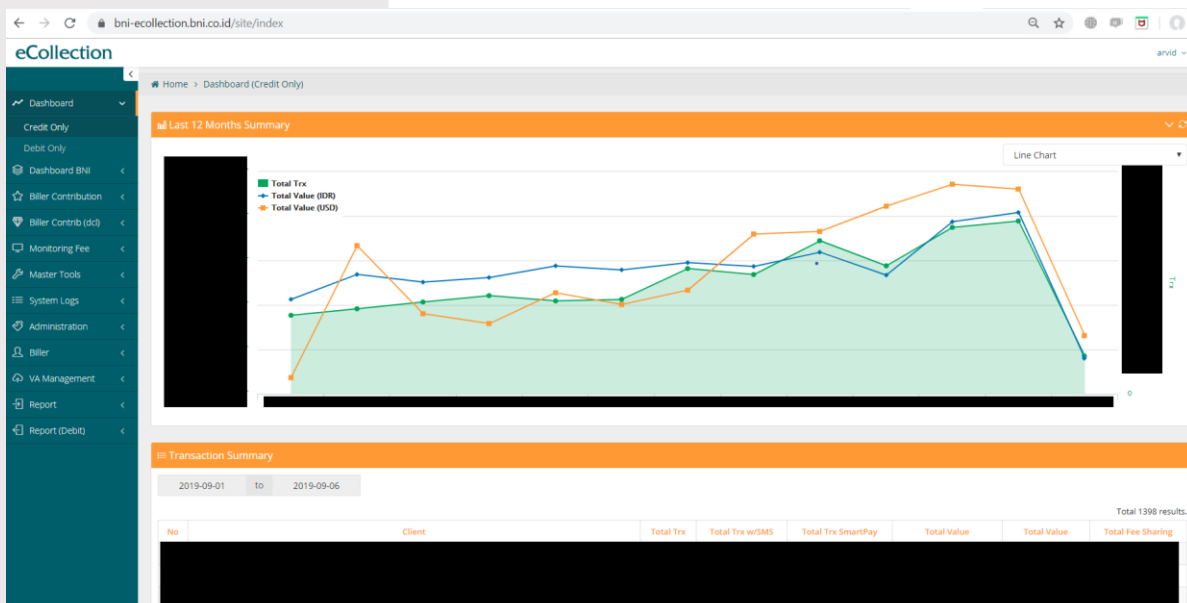
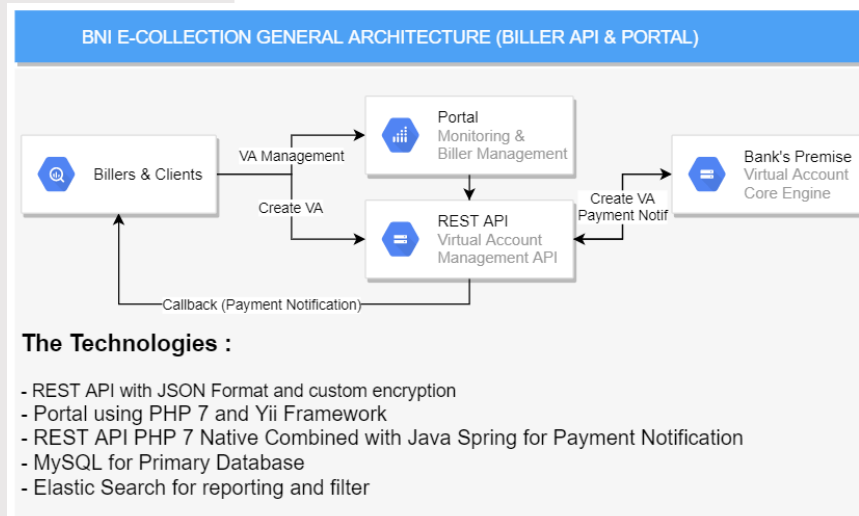
### Biller Public API

<https://api.bni-ecollection.com/>

API Capability :

- Create A New BNI Virtual Account
- Update BNI Virtual Account Data
- Inquiry BNI Virtual Account Data

**I'm Responsible For :** Lead developer for new features, maintaining, monitoring and troubleshooting Portal, API and monitor tool New Relic APM



## Product Name : **Yap! (BNI Push Payment Application)**

### General Capabilities & Features :

- Integrated with e-money UnikQu as one of the source of fund for payment to merchant
- Integrated with BNI's Credit Card core and Debit Card core as source of fund for payment to merchant
- Billing payment channel for INI (Ikatan Notaris Indonesia)
- Able to pay merchant using those 3 source of funds (E-money, Credit Card, Debit Card)

### Project Component's :

Issuer (REST API), Acquirer (REST API), Monitoring Portal (WEB), Merchant Dashboards (WEB), Android Customer Application, Android Merchant Application, iOS Customer Application, iOS Merchant Application

### Monitoring Portal :

<https://monitoring.spesolution.com>

### Merchant Dashboard :

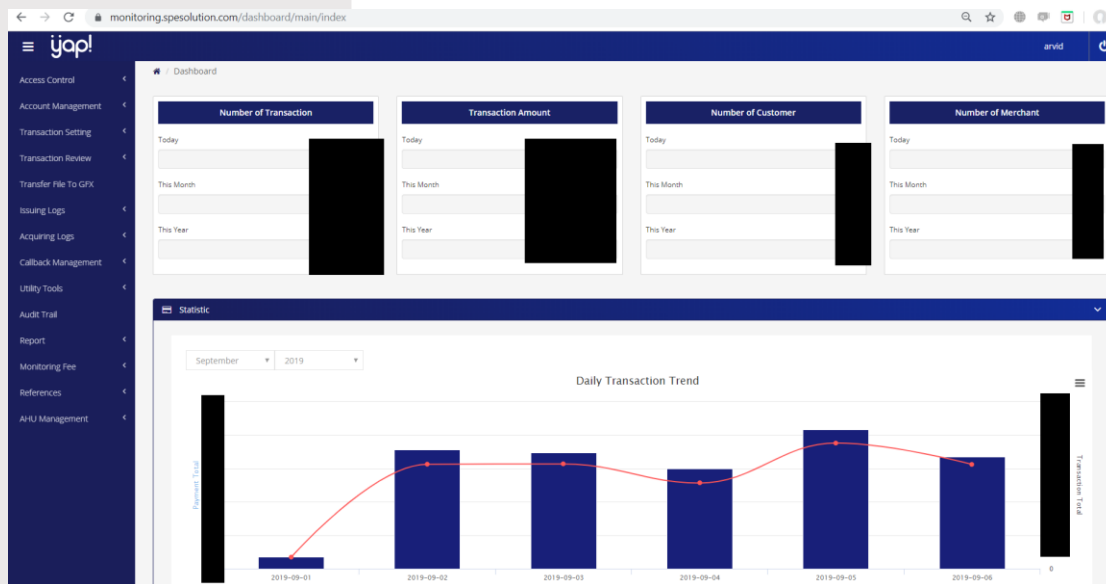
<https://dashboard-merchant.spesolution.com/>

### I'm Responsible for :

- Design all of the project component's core platform (issuer, acquirer, dashboard, android & iOS app).
- Lead developer of Backend Programmer (issuer & acquirer), Frontend Developer (dashboard) and mobile developer (Android & iOS)
- Design Issuer's and Acquirer's API request & response format
- PCIDSS Compliance process from start until certified, also leading task force to maintain PCIDSS compliance

### The Technologies :

- Issuer – PHP 7 Native and combined with Java Springboot for queueing system's producers & consumers using Apache's ActiveMQ message broker
- Acquirer – PHP 7 Native and using custom AES 256 encryption & RSA 2048 to maintain DEK (Data Encryption Key) and KEK (Key Encryption Key)
- Dashboard (Web) using PHP Yii Framework
- Android's APK using Java Android
- iOS Apps using Swift



### Playstore :

<https://play.google.com/store/apps/details?id=id.co.bni.yapcustomer&hl=in>

### Apple Store :

<https://apps.apple.com/id/app/yap/id1339116299>

### Media Publications :

<https://dailysocial.id/post/bni-payment-yap>

<https://www.bni.co.id/id-id/beranda/berita/siaranpers/articleid/3721/bni-yap-diluncurkan-sistem-pembayaran-mudah-aman-dan-kekinian>

**Product Name : Wappin (WhatsApp Business Solution Provider's Product by PT. SPE)**

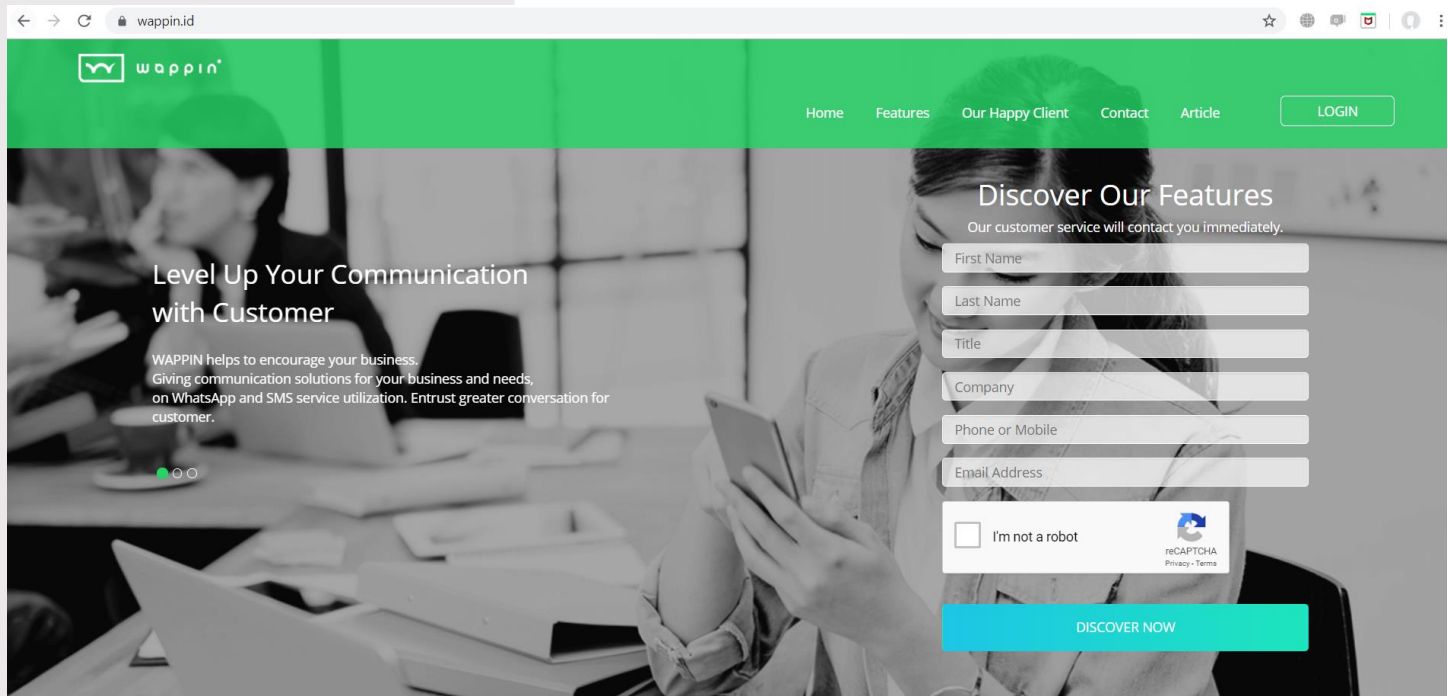
PT. Solusi Pembayaran Elektronik was chosen by Facebook Ambassador to become a BSP (Business Solution Partner) with main purpose of simplify and guide clients who need to use WhatsApp API (send message, send HSM, message callback notification) and onboard them to become Facebook's Business Manager (BM Account) and help them to acquire a green tick for client's WhatsApp Business Account Number to a masked name.

Wappin is a product which manage the WhatsApp Enterprise's API to send, blast and callback for message notification.

**I'm Responsible For :**

- Lead developer to make sure the API & Integration Wappin with WhatsApp Enterprise is stable and also planning for scale
- Managing 3 Backend Developers and 1 Frontend Developer
- Design API JSON specification for request and response

**URL :** <https://wappin.id>



**My Other Projects as Lead Developer :**

1. BNI's Tax Payment System Portal & API Switching : <http://epbb.bni-ecollection.com/>
2. Mobile Payment Application **BERSAMA** using ArtaJasa's E-Money **MYNT** as its source of fund
3. 43 Government District Ecommerce Websites such :
  - o <https://www.banyuwangi-mall.com/> (Banyuwangi's District Ecommerce Site)
  - o <http://mall.unpad.ac.id/> (Universitas Padjajaran Mall)
  - o <http://banjarbaru-mall.com/> (Banjar Baru Ecommerce)
  - o <http://papua-mall.com/> (Papua Government Ecommerce)
  - o <http://frosyfruits.docotel.net/>
  - o And 30++ more

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