



Curriculum Vitae

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Place/Date of Birth: Jakarta/14 June 1978

Educational Background:

1996 – 2000 Universitas Pelita Harapan (<http://www.uph.edu>)

Bachelor degree (B.Sc.)

Major: Electronics Engineering

GPA: 3.60 of 4.00

Employment History:

- **December 2021 – present**
PT PCI Consulting Services – <https://portcities.net/>
Senior Cloud Solutions Architect

Job Description:

- ***Strategic roles:***
 - Discussing and analyzing the cloud ERP (Odoo) implementation requirements with the business stakeholders and customers
 - Finding solutions to requirements problems both from existing solutions as well as developing new solutions
 - Provide end-to-end technical consulting and overlay viewpoints for the cloud ERP solutions
 - Engage in discussions & presentations with clients to validate the cloud ERP solutions during implementation phase
 - Make recommendations for ERP cloud solutions implementations; including cloud budget costs and cloud resources calculation
 - Designing the cloud solutions architecture to address all of the above needs
- ***Technical roles:***
 - Implementing the cloud solutions architectures in terms of AWS, GCP, and Azure cloud platforms
 - Leading the cloud DevOps practices using Agile methodologies (CI/CD) in terms of Infrastructure as Code (IaC) using *AWS boto3 SDK*, *Terraform*, and *Azure Resources Manager (ARM)*
 - Documenting the solutions in terms of technical architecture & implementation documents
 - Participating in daily cloud and infrastructure monitoring using cloud platforms's monitoring tools

- **July 2021 – December 2021**

PT AurionPro Consulting -- <https://www.aurionpro.com/>

Solutions Architect (Java & DevOps)

Job Description:

- ***Strategic roles:***

- Discussing and analyzing the banking systems requirements with the business stakeholders and customers
- Finding solutions to requirements problems both from existing solutions as well as developing new solutions
- Provide end-to-end consulting and overlay viewpoints for the Enterprise Java solutions
- Engage in discussions & presentations with clients to validate the Enterprise Java (AWS Cloud-based) solutions during implementation phase
- Make recommendations for cloud-based banking solutions implementations; including cloud budget costs and cloud resources calculation
- Designing the cloud solutions architecture to address all of the above needs

- ***Technical roles:***

- Implementing the cloud solutions architectures in terms of AWS cloud platform
- Developing the Enterprise Java banking solutions using *Spring Boot microservices*
- Participating in UAT and technical consulting sessions

- **May 2018 – June 2021**

PT 1rstWAP International – <https://www.1rstwap.com>

Solutions Architect (Java)

Job Description:

- ***Strategic roles:***

- Discussing and analyzing the Telco (Location Tracking System) requirements with the business stakeholders and customers
- Finding solutions to requirements problems both from existing solutions as well as developing new solutions
- Provide end-to-end consulting and overlay viewpoints for the solutions
- Engage in discussions & presentations with clients to validate the Enterprise Java solutions during implementation phase
- Designing the GCP cloud-based solutions architecture to address all of the above needs

- ***Technical roles:***

- Implementing the cloud solutions architectures in terms of GCP cloud platform
- Developing the Enterprise Java Location Tracking solutions using *Spring Boot microservices* on top of GCP containers (Kubernetes Engine)
- Participating in UAT and technical consulting sessions

- **May 2014 – May 2018**

PT Sahassa Panca Manunggal - <https://www.sahassa.co.id>

Software Architect & Technical Leader

Job Description:

- Discussing and analyzing the requirements gathered from the business stakeholders.
- Architecting the solutions based on the requirements using *UML Diagrams* and applying the *Object-Oriented Analysis & Design (OOAD)* concepts.
- Developing the Technical documentations:
 - System Analysis and Design
 - System Implementation Plan
 - Functional Requirements Documentation
- Developing the Solutions based on the blueprint designs using *Microsoft .NET Framework Technologies*
- Managing, mentoring, and assisting the Development Teams
- Participating the User Acceptance Test (UAT) and technical consulting sessions

- **May 2012 – May 2014**

PT. Visi Solusi Teknologi (VisiTek) - <http://www.visitek.co.id>

Senior Software Engineer

Job Description:

- Discussing and analyzing the requirements gathered from the business stakeholders.
- Designing the solutions based on the requirements using *UML Diagrams* and applying the *Object-Oriented Analysis & Design (OOAD)* concepts.
- Developing the Technical documentations:
 - System Analysis and Design
 - System Implementation Plan
- Developing the Solutions based on the blueprint designs using *Java Technologies*:
 - Eclipse Development Environment
 - ZKoss (Zk) Web User Interface Development Library
 - Hibernate Data Access/Persistence Library
 - Spring Framework Library:
 - Core Spring Library
 - Spring JDBC DAO Library
 - Oracle Database 11g
- Mentoring the Junior Programmers and performing the QA Team Review
- Participating the User Acceptance Test (UAT) for the developed Solutions
- Deploying the Solutions in the Production Environment

- **May 2011 – May 2012**

PT Ewaysindo Makmur -- <http://www.ewayscorp.com>

Senior Software Engineer

Job Description:

- Discussing and analyzing the requirements gathered from the stakeholders.
- Designing the solutions based on the requirements using *UML Diagrams* and applying the *Object-Oriented Methodology*.
- Developing the Solutions based on the blueprint designs using *Java Technologies (Spring Framework)*
- Mentoring the Junior Programmers and performing the QA Team Review
- Participating the User Acceptance Test for the developed Solutions
- Deploying the Solutions in the Production Environment

- **June 2010 – May 2011**
Lexcorp Solutions (Cellular Telecommunications Consulting)
<http://www.lexcorpsolutions.com>
Senior Software Engineer
Job Description:
 - Discussing and analyzing the requirements from the stakeholders
 - Designing the solutions based on the requirements using UML Diagrams and applying the Object-Oriented Methodology Principles
 - Developing the Solutions based on the blueprint designs using *Java Technologies*
 - Performing the QA Team Review
 - Performing the User Acceptance Test for the developed Solutions
 - Deploying the Solutions

- **January 2010 – June 2010 (6-month contract)**
PT Ebiz Cipta Solusi
Senior Software Engineer
Job Description:
 - Responsible for the full software development lifecycle for the project *Rebate Claim System* by performing the following:
 - Creating the Work Breakdown Structure (WBS) list for each phase of the SDLC
 - Analyzing and designing the system using the Rational Unified Process (RUP) methodology
 - Developing the Solutions based on the Requirements using *Java Technologies*
 - Performing the QA Team Review
 - Performing the User Acceptance Test (UAT) for the Solutions

- **June 2009 – December 2009**
Geneva Consulting (Contract employment)
Technical Consultant → Outsourced to: PT. Kliring Berjangka Indonesia (PTKBI)
Job Description:
 - Responsible for the full software development lifecycle for the project *Derivative Clearing System (DCS)* by performing the following:
 - Creating the Work Breakdown Structure (WBS) list for each phase of the SDLC
 - Analyzing and Designing the system using the Rational Unified Process (RUP) methodology
 - Performing the QA Team Review
 - Performing the User Acceptance Test (UAT) for the Solutions
 - Mentoring and tutoring the junior programmers

- **January 2009 – June 2009**
Aprisma Indonesia (Contract employment) – <http://www.aprisma.co.id>
Technical Consultant → Outsourced to: Permata Bank
Job Description:
 - Performing the full development lifecycle for the project *Permata e-Business System (PeBS)* by applying the following:
 - Creating the Work Breakdown Structure (WBS) list for each phase of the SDLC
 - Analyzing the Requirements
 - Designing the Solutions based on the Requirements using UML Diagrams
 - Developing the Solutions using *Java Technologies*
 - Performing the QA Team Review
 - Performing the User Acceptance Test (UAT) for the Solutions
- **October 2008 – December 2008**
Karimata Solusi Padu (Contract employment)
Senior Developer → Outsourced to: Danamon Bank, Indonesia
Job Description:
 - Performing the full software development lifecycle for the project *Loan Origination System (LOS) and Mortgage System* by applying the following:
 - Creating the Work Breakdown Structure (WBS) list for each phase of the SDLC
 - Analyzing the user Requirements
 - Designing the Solutions based on the Requirements
 - Developing the Solutions using *Java Technologies*
 - Performing the QA Team Review
 - Performing the User Acceptance Test (UAT) for the Solutions
 - Deploying the Solutions
- **October 2004 – September 2008**
Intimedia Talents (Permanent employment) – <http://www.intimedia.com>
Software Engineer
Job Description:
 - Developing the solutions using *Java Technologies*
 - Working and tutoring with the junior developers

July 2000 – September 2004

PT. Plasmedia (Permanent employment) – <http://www.plasmedia.com>

Software Engineer

Job Description:

- Developing the solutions using *Visual C#.NET* and *Java Technologies*
- Participating in the QA team review & reporting the progress to project manager
- Implementing and maintaining the solutions at client site

Hands-on Skills:

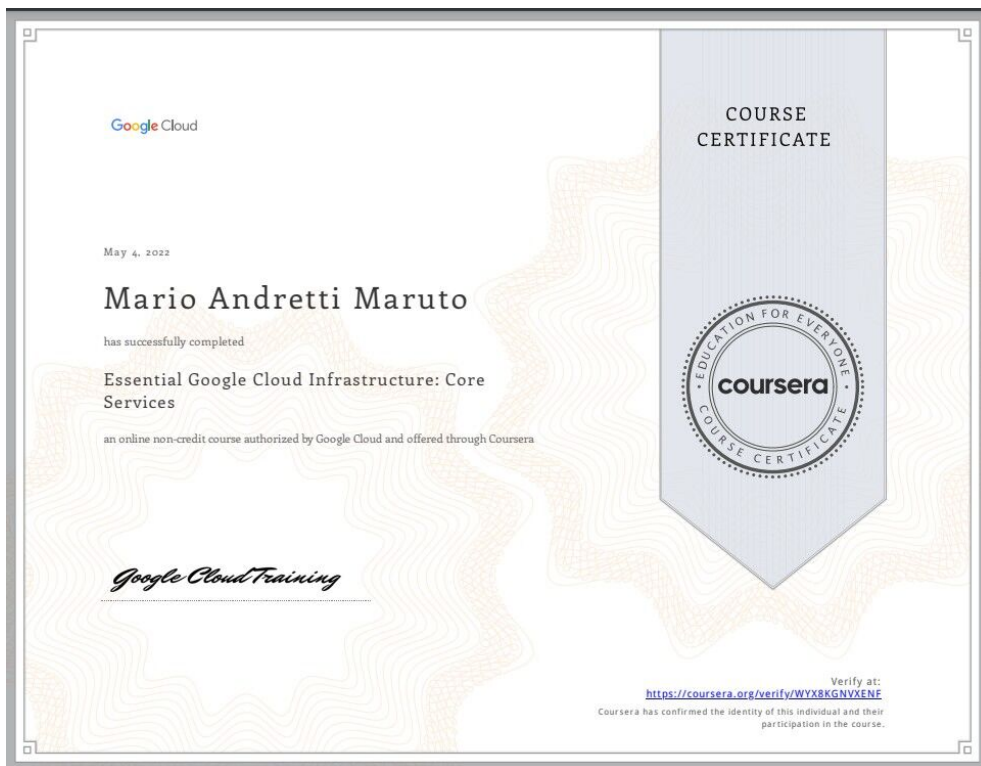
- **Front-End, Client-side Web Programming:**
 - JQuery, Javascript, HTML5, CSS
- **Linux Operating Systems:**
 - CentOS Linux, Red Hat Enterprise Linux (RHEL)
 - Ubuntu Linux
- **Programming Languages**
 - Python & GO languages
 - Java JDK with *maven* dependencies
- **Reactive Programming**
 - Spring Reactive
- **Development IDE**
 - Visual Studio Code
 - IntelliJ IDEA & PyCharm Community Editions
- **Database Programming**
 - PostgreSQL database
 - MySQL database
 - ELK Stack (ElasticSearch, Logstash, Kibana)
- **Server-side Microservices Frameworks:**
 - Spring Boot (Microservice), Spring REST
- **Data Persistence Framework**
 - Spring JDBC, Spring Data JPA
- **Software Development Process Methodologies**
 - Agile Development Model
- **Object-oriented Programming & Design Patterns:**
 - Domain-driven Design (DDD)
 - Event-Driven Architecture (EDA) in terms of microservices
- **Application Servers, Cloud-native Containers, and Monitoring:**
 - Docker & Kubernetes
- **Continuous Integrations and Deployment (CI-CD) tools:**
 - Jenkins & Github Actions
- **Unit Test, Code Quality, Monitoring System:**
 - JUnit - <https://junit.org/junit5/>
 - Prometheus Monitoring System

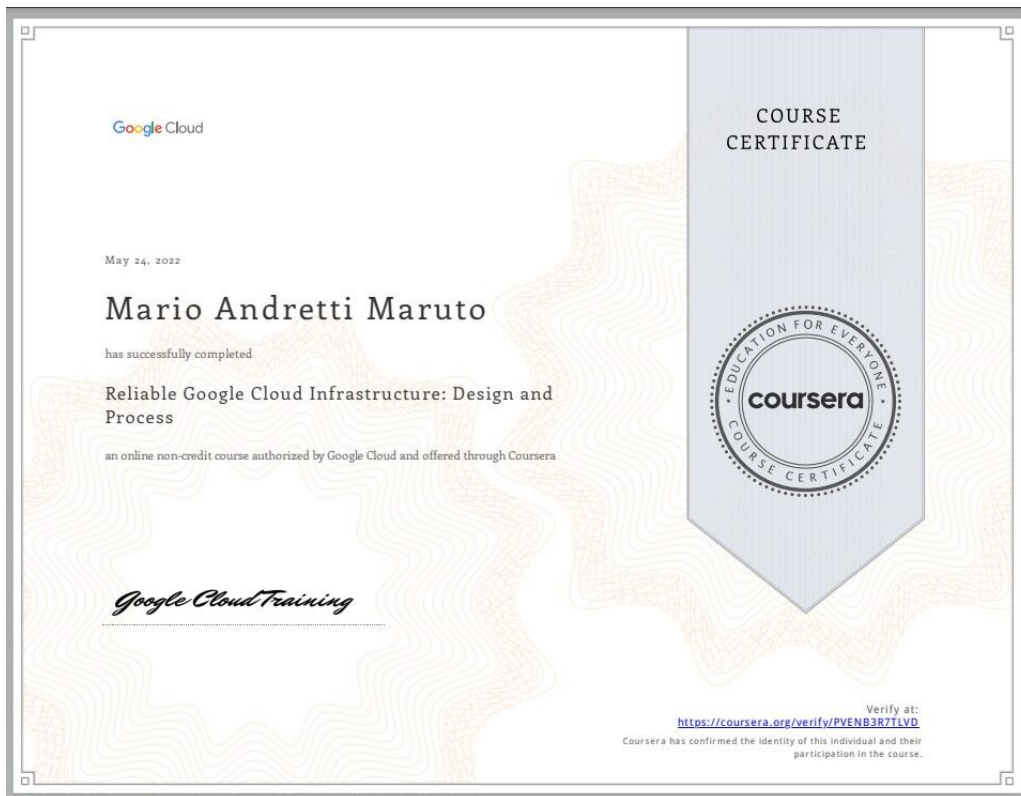
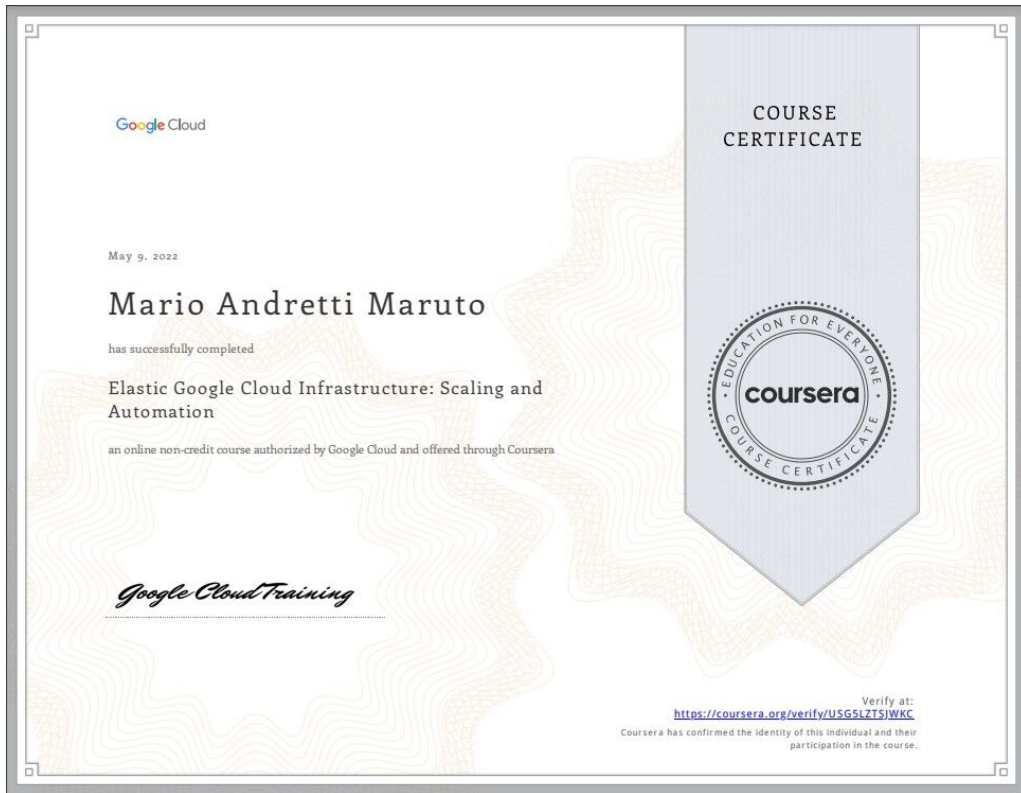
- **Architecting the solutions on top of Cloud Computing platforms, using the following services:**

- **Amazon Web Services (AWS):**
 - Elastic Compute Cloud (EC2) service
 - Elastic Container Registry (ECR) service
 - Elastic Container Service (ECS)
 - Elastic Kubernetes (EKS) service
 - AWS Fargate services
 - Amazon RDS for PostgreSQL and MySQL
 - AWS S3 bucket
 - Amazon VPN connectivity
 - Elastic File System (EFS) service
 - Elastic Load Balancing services:
 - Application Load Balancer (ALB)
 - Network Load Balancer (NLB)
 - Gateway Load Balancer (GLB)
 - Amazon CloudWatch
 - NAT gateway
 - AWS Lambda for serverless functions
 - AWS Boto3 SDK Python client libraries
 - AWS CLI command SDK
- **Google Cloud Platforms (GCP):**
 - Cloud Compute Engine (CE) service
 - Cloud containers services:
 - Cloud Kubernetes
 - Cloud Container Registry
 - Cloud Load Balancers:
 - Internal Load Balancer
 - Global Load Balancer
 - Cloud SQL for PostgreSQL and MySQL
 - Cloud Storage
 - Cloud Function as serverless function
 - Cloud VPN connectivity
 - Cloud Logging
 - Cloud Monitoring
 - Cloud NAT
 - Cloud CLI command SDK

- **Microsoft Azure Cloud:**
 - Azure Compute Instances service
 - Azure containers services:
 - Azure Kubernetes Services (AKS)
 - Azure Container Instances
 - Azure Application Gateway
 - Azure Load Balancer
 - Azure SQL for PostgreSQL
 - Azure Private Linked Services
 - Azure Private Endpoint services
 - Azure Storage Account
 - Azure Data Factory (ADF)
 - ADF Linked Services (ADFLS)
 - Azure NAT gateway
 - Azure Functions
 - Azure Resources Manager (ARM template)
- **Alibaba Cloud:**
 - Alibaba Compute Instances service
 - Alibaba Containers for Kubernetes (ACK)
 - Elastic Containers Instance (ECI)
 - Elastic Load Balancing
 - RDS for PostgreSQL and MySQL (ApsaraDB)
 - Alibaba Cloud Storage
 - Alibaba NAT gateway
 - Alibaba Function Compute
- **Completed Coursera Trainings for Google Cloud Platform (GCP):**
 - Essential Google Cloud Infrastructure: Foundation
 - Essential Google Cloud Infrastructure: Core Services
 - Essential Google Cloud Infrastructure: Scaling and Automation
 - Reliable Google Cloud Infrastructure: Design and Process
 - Architecting With Google Kubernetes Engine (GKE): Foundations
 - Architecting With Google Kubernetes Engine (GKE): Workloads

Coursera Trainings Certificates of Completion for Google Cloud Platform:







Some Highlighted Projects:

Cloud-based ERP Implementation (Odoo)

Brief Overview:

Portcities (PT PCI Consulting) is an ERP implementor. It is Odoo SA's gold partner implementor focusing on ERP customised development and implementation. Customised Odoo ERP solutions are deployed on the cloud platforms. Currently, most commonly used cloud computing platforms are: AWS, GCP, Azure. The cloud devops best practices are utilised in implementing the cloud-based ERP solutions.

Commonly used cloud computing services:

- **Amazon Web Services (AWS):**
 - Elastic Compute Cloud (EC2) service
 - Elastic Container Registry (ECR) service
 - Elastic Container Service (ECS)
 - Elastic Kubernetes (EKS) service
 - AWS Fargate services
 - Amazon RDS for PostgreSQL and MySQL
 - AWS S3 bucket
 - Amazon VPN connectivity
 - Elastic File System (EFS) service
 - Elastic Load Balancing services:
 - NAT gateway
 - AWS Lambda for serverless functions
 - AWS Boto3 SDK Python client libraries
 - AWS CLI command SDK
- **Google Cloud Platforms (GCP):**
 - Cloud Compute Engine (CE) service
 - Cloud Kubernetes Services
 - Cloud Container Registry
 - Cloud Load Balancers:
 - Cloud SQL for PostgreSQL and MySQL
 - Cloud Storage
 - Cloud Function as serverless function
 - Cloud VPN connectivity
 - Cloud Logging
 - Cloud Monitoring
 - Cloud NAT
 - Cloud CLI command SDK
- **Microsoft Azure Cloud:**
 - Azure Compute Instances service
 - Azure Kubernetes Services (AKS)
 - Azure Container Instances
 - Azure Application Gateway
 - Azure Load Balancer
 - Azure SQL for PostgreSQL
 - Azure Private Linked Services and Endpoint services
 - Azure Storage Account
 - Azure Data Factory (ADF) and its Linked Services
 - Azure VPN connectivity
 - Azure NAT gateway
 - Azure Functions
 - Azure Resources Manager (ARM template)

Location Tracking System

Brief Overview:

1rstWAP is an independent software vendor that specializes in Telecommunication industry. The Location Tracking System package was developed primarily for Law Enforcement Agencies (LEA) to monitor and track using Location-based Services (LBS) any primary suspects. Basically, the system consists of the following modules:

- LBS for single targets and multiple targets
- Targets interceptions
- Multiple targets movements within areas

Development Technologies:

The system adopted the Open Source and Java Technologies

- The Front-end Tier:
 - PHP 7, Laravel Framework
- The Back-end Components:
 - Domain-Driven Design (Microservice DDD) using Spring Boot, Spring REST, Spring JPA
- The Database Tier:
 - ELK Stack (ElasticSearch, Logstash, Kibana)
 - MariaDB 10.3
- The Environment:
 - CentOS Linux 8

Anti Money Laundering System (AMLS)

Brief Overview:

PT Sahassa Panca Manunggal (<http://sahassa.co.id>) is an independent software vendor that specializes in Banking solutions. The Anti-Money Laundering System (AMLS) was developed as the primary system to monitor and anticipate any frauds and/or Money Laundering activities in major Bank in Indonesia. Basically, the system consists of the following modules:

- Master Data Management
- System Administration Modules
- Customer and Account Profiles (*Know Your Customer* (KYC))
- Transaction History Monitoring
- Customer Due Diligence (CDD)
- Suspicious Financial Activities Monitoring (based on advanced Banking rules)
- Cash Transaction Activities
- International Funds Transfer Instructions (IFTI) Activities
- Financial Reporting Tools

Development Technologies:

The AMLS was developed using the Model-View-Controller (MVC) architecture. The system adopted the Microsoft technologies in its tiers:

- The Front-end Tier:
 - ASP.NET MVC 4 using Visual Studio 2015
- The Business Process Tier:
 - Custom .NET Library and Entity Framework
- The RDBMS tier:
 - Microsoft SQL Server 2014

TELKOMSEL Integrated Internal Web System

Brief Overview:

- PT TELKOMSEL Indonesia (<http://www.telkomsel.co.id>) is the largest cellular telecommunication provider in Indonesia. In order to enable the business process more manageably, TELKOMSEL has planned to develop an integrated internal system that can handle all TELKOMSEL internal businesses. The *Visi Solusi Teknologi (VisiTEK)* was selected as the technology/consulting partner to realize the whole plan.
- The Integrated Internal Web System consists of the following modules:
 - System Administration
 - User/Role/Role Groups Management
 - Detailed Customer Management
 - Merchant Management
 - Fee-Merchant-Terminal Configuration
 - Transaction History Management
 - Customer Bonus Management
 - Reporting Management

Development Technologies:

The system adopted the following Java technologies in its tiers:

- The Front-End tier:
 - JSP, JSTL, ZKoss (ZK) Web UI Library
- The Core Process tier:
 - Core Spring Framework Library
 - Hibernate Persistence Framework
- The RDBMS tier:
 - Oracle Database 11g Release 2

Derivatives Clearing System (DCS)

Brief Overview:

Indonesian Derivatives Clearing House (<http://www.ptkbi.com/>) is a large derivatives clearing house in Indonesia. Its main function is to perform clearing and guarantee for member companies against the trade brokers. Its trading option is mostly primary commodities.

Development Technologies:

The DCS was as web-based system developed using Java technologies. The system adopted the following Java technologies in its tiers:

- The Front-end tier:
 - Java Server Pages (JSP), HTML, CSS, JavaScript
- The Business Process tier:
 - Core Spring Frameworks, Spring JDBC Library
- The RDBMS tier:
 - Microsoft SQL Server 2008

PermataBank e-Business System (PeBS)

Brief Overview:

PT PermataBank Indonesia (<http://www.permatabank.com/index.html>) is a large corporate & personal banking in Indonesia. PermataBank provides some managed corporate services, most specifically in the corporate e-Banking System. The PeBS system was developed to support that service. Basically, it consists of the following modules:

- Corporate Data Maintenance
- Legacy System Integration (for Clearing System)
- Data Feeding Maintenance
- Reporting Maintenance
- Data Inquiry Maintenance

Development Technologies:

The PeBS System was a web-based system developed using Java technologies. The system adopted the following Microsoft technologies in its tiers:

- The Front-end tier:
 - Java Server Pages (JSP), HTML, CSS, JavaScript
- The Business Process tier:
 - Core Spring Frameworks, Hibernate Framework
- The RDBMS tier:
 - Oracle Database 10g

Danamon Mortgage System (DMS)

Brief Overview:

PT Danamon Indonesia (<http://www.danamon.co.id>) is a large corporate & personal banking in Indonesia. Danamon provides some managed personal loan services, most specifically in the Mortgage System. The DMS system was developed to support that service. Basically, it consists of the following modules:

- Data Input Maintenance
- Data Feeding Maintenance
- Legacy System Integration
- Reporting Maintenance
- Data Inquiry Maintenance
- Loan Approval
- Installment Calculator

Development Technologies:

The DMS System was a web-based system developed using Java technologies. The system adopted the following Microsoft technologies in its tiers:

- The Front-end tier:
 - Java Server Pages (JSP), HTML, CSS, JavaScript
- The Business Process tier:
 - Custom JavaBeans; JDBC
- The RDBMS tier:
 - Oracle Database 10g