

Term of Reference Profesional System Architect

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REVISION HISTORY

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REVIEW and APPROVAL

Version #	Date	Reviewer	Remarks
1.0	19/08/2020	Meredita Susanty, M.Sc	
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A SYSTEM ARCHITECT

Saat ini Universitas Pertamina memiliki banyak sistem informasi menggunakan platform yang berbeda-beda yang juga terpasang pada server yang berbeda-beda, karena hal tersebut fungsi Sistem Informasi Akademik membutuhkan jasa sistem arsitek profesional untuk mengintegrasikan sistem informasi yang ada. Diantaranya dari sistem informasi yang dimiliki Universitas Pertamina adalah:

- Sistem Informasi Akademik (SIUP)
Web Engine : Apache Server
Database : PostgreSQL
OS : Ubuntu
- E-Learning
Web Engine : Apache Server
Database : MySql
OS : Ubuntu
- Helpdesk
Web Engine : Apache Server
Database : MySQL
OS : Ubuntu
- SIMASET
Web Engine : Apache Server
Database : PostgreSQL
OS : Ubuntu
- Pendaftaran
Web Engine : Apache Server
Database : MySQL
OS : Ubuntu
- Keuangan
Web Engine : Apache Server
Database : PostgreSQL
OS : Ubuntu
- Library
Web Engine : Apache Server
Database : MySQL
OS : Ubuntu
- Career Development Center (CDC)
Web Engine : Apache Server
Database : MySQL
OS : Ubuntu
- Repository
Web Engine : Apache Server
Database : PostgreSQL
OS : Ubuntu
- Wiki
Web Engine : Node Server
Database : MySQL

- OS : Ubuntu Linux
- SIAP
 - Web Engine : Apache
 - Database : MySQL
 - OS : Ubuntu
- VICA
 - Web Engine : Apache
 - Database : PostgreSQL
 - OS : Ubuntu
- Online Disciplinary System
 - Web Engine : IIS
 - Database : Sql Server (Microsoft)
 - OS : Windows Server
- SPI-Care
 - Web Engine : Apache
 - Database : MySQL
 - OS : Ubuntu

Server yang digunakan di Universitas Pertamina menggunakan virtualisasi Proxmox.

Sistem arsitek adalah jasa profesional pada bidang teknologi, informasi dan komunikasi untuk mendefinisikan arsitektur dari sistem komputerisasi untuk memenuhi persyaratan tertentu sebuah organisasi. Berikut adalah fungsi dan kebutuhan dari sistem arsitek :

	Responsibilities
System Architect	<ul style="list-style-type: none"> • Evaluating internal functions, business development strategies and IT processes and suggesting improvements. • Creating business architecture models to reflect the organization's strategies and goals and creating and implementing business visions and goals. • Evaluating systems engineering, talent recruiting, and accounting models for discrepancies and vulnerabilities. • Suggesting ideas to reduce costs in IT and business leadership. • Organizing training to improve employees' knowledge and skills for future organizational growth. • Conducting research in talent management to improve the organization's business operations. • Providing business architecture and systems processing guidance. • Ensuring the efficiency, security, and support of the organization's goals. • Creating methods for compliance architecture, such as data storage,

	metadata management, and change control. <ul style="list-style-type: none"> • Determining and implementing build versus buy strategies, mentor personnel, and views of the overall business strategy.
	Requirements
	<ul style="list-style-type: none"> • A Bachelor's degree in Information Technology or related field. • Experience in system architecture may be advantageous. • Excellent technical, analytical, and project management skills. • Strong communication and interpersonal skills. • Experience in modeling and graphic representations.
	Skill Set
	<ul style="list-style-type: none"> • TOGAF Certified

Dan berikut adalah beberapa referensi Sistem Arsitektur profesional di Indonesia:

Developer	Profile
eCampus by Gamatechno	<p>Layanan konsultasi profesional dan berkualitas dalam menentukan solusi yang efektif dan efisien guna mencapai visi dan misi institusi, serta membangun masa depan pendidikan yang strategis dan sistematis. Dengan pengalaman lebih dari 15 tahun, kami siap membantu kegiatan penyusunan:</p> <ul style="list-style-type: none"> • Masterplan Teknologi Informasi (TI) • Blueprint TI • Assesment TI • Audit Sistem Informasi • Smart Campus <p>Kontak:</p> <ul style="list-style-type: none"> - info@ecampuz.com - 0274566161 - https://ecampuz.com/
Kamoro Maxima Integra	<p>We offer consultancy services that span the entire IT lifecycle, from business process re-engineering to software architecture, development and implementation. Our consultancy services are</p>

