System Analyst

**Industry Demand of System Analyst**

System Analyst is ‘the brain’ on IT Development and ‘the bridge’ between Business Division to IT Division. System Analysts organize and design concepts for digital development to meet business goals. Nowadays, as businesses shift to a more digital-oriented system, System Analyst is highly demanded by almost all industries. System Analysts can work in a corporation (in various industries), or government agencies.

Employment of computer systems analysts is projected to grow 7 percent from 2020 to 2030, according to Bureau Labour of Statistics (BLS). According to USnews, System Analyst is one of the hottest job, ranked #5 in Best Technology Jobs. Being a System Analyst, you have to keep yourself updated for a current technology because there is always something new everyday. If you like technology, and need a constant change when you do your job you might like this job.

**Salary (Range)**

* Entry level $75,939/year in US
* Mid level $87,004/ year in US
* Entry level Rp48.000.000/year in Indonesia
* Mid level Rp142.800.000/year in Indonesia

**Core Tasks**

* Assess company’s organization and business goals to make solution related to IT systems
* Design and implement systems by choosing and configuring hardware and software
* Research emerging technologies to decide if installing them can increase the organization's efficiency and effectiveness
* Prepare an analysis of costs and benefits so that management can decide if IT systems and computing infrastructure upgrades are financially worthwhile
* Devise ways to add new functionality to existing computer systems
* Oversee the installation and configuration of new systems to customize them for the organization
* Deploy, maintain, and troubleshoot core business applications, including application servers, associated hardware, endpoints, and databases
* Meet and coordinate with internal and external stakeholders to establish project scope, system goals, and requirements
* Translate highly technical specifications into clear non-technical requirements
* Define and coordinate the execution of testing procedures, and develop test cases to serve the overall quality assurance process
* Provide documentation of all processes and training as needed
* Implement best practices for scalability, supportability, ease of maintenance, and system performance

**Working Conditions**

* Will constantly coordinating with lots of division, including business department and also IT
* Some travel is usually required

**Skills Required**

* Microsoft, SQL, and System Administrator
* Strong analytical skills
* Attention to detail
* Teamwork skills
* Written and verbal communication skills

**Career progression data**

* Pathways :
  + Earn a bachelor degree in related fields, including: System Analyst, Computer Science, Information System, Software engineering
  + Getting certifications will also help to get wider job opportunities, to name some there are CompTIA A+ Certification or CASP+
* Early Career (1-4 years)
* Mid Career (5-9 years)
* Experienced (10-19 Years)

**Possible University Major**

* System Analyst
* Computer Science
* Information System
* Software engineering

**School subjects required**

* Mathematic
* Computer