Agung Prakasya

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personal info

Born: Ciamis, 20 May 1975
Live in Jonggol, West Java, Indonesia
Nationality: Indonesian

education

Degree in Math (2000)
Math Dept. of Institut Teknologi Bandung
Majoring in *Computational Math Modelling*

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23 Years of total experience; 23+ years of coding in various languages; 8 years in *bigdata and data-streams*; 11 years of experience in energy and other industries —mostly on *engeering, solution architect & specialist position*;

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qualification

Builds trusts – guides – inspires – leads team; Anticipates technology trends/change; Mixes & matches personnels to achieve effective team composition; *Polyglot coder* (Go, C/C++, Delphi/Pascal etc); A long-time *Linux*/BSD cli-er; *systematic* problem solving, *Statistical* data analysis and *Math* modelling. Love to learn new things.

experience

Implements LTI 1.3 Core and Partial American National Standard for Information Systems –Data Format for the Interchange of Fingerprint, Facial, & Other Biometric Information. **Architected** *Massive* text raw data processing using *Go* and Linux Standard Tools; Realtime Core-banking offloading using *Confluent Kafka* streams; Bigdata migration to *Hadoop* using *Sqoop* and *Talend*; Industrial SCADA–enterprise integration using OPC protocol;

Personal Research

Design and write an Extended *Petrinet* library —to support *types*, *timings* and *cost*, for dynamic system modelling (*work-in-progress*, *Go*); Perform Proof of Concept for High Performance Toolset Architecture for Massive Text Data (*work-in-progress*, *C++*); Design an *Elastic Ring* data type for incomplete image *congruence detection* (postponed, need to proof some theorems first);

PROFESSIONAL EXPERIENCE

Quipper
June 2022–Present
Remote
Solution Architect
reports to: Lead Solution Architect
team: *none*

Research & Design architecture for products, and propose transition phases. Perform pioneering on RFC/ Standards/Specification implementation, consolidate requirements including timelines and convert to actionable items for used by development team. Perform strategic developments, by means of determine technology which will be use often, develop libraries and perform internal PoCs.

Designed architectural customizations for company product to suit client needs. Adopted new technology for product development. Lead team in project delivery. Determine tools both for internal use and to be proposed for using in projects. Together with Sales and Pre-sales team performed project initialization preparation.

Paques
February 2021–June 2022
Hybrid/Jakarta
Senior Engineer
reports to: Engineering Manager
team: *6 persons (project team)*

Sibernetik
Dec 2017–Jan 2021
Hybrid/Jakarta
Senior Engineer
reports to: Engineering Manager
team: *3 persons*

Architected solutions to suit client needs. Adopted new technology for product development. Lead team in project delivery. Determine tools both for internal use and to be proposed for using in projects. Together with Sales and Pre-sales team performed project initialization preparation.

Designed multiple big data architecture for various cases. Build teams for project according to requirements. Determine tools both for internal use and to be proposed for using in projects. Together with Sales and Pre-sales team performed project initialization preparation.

Dattabot
Aug 2016–Dec 2017
Jakarta
Senior Engineer
reports to: Engineering Manager
team: *none*

Dowedo
Sep 2014–Dec 2016
Hybrid/Jakarta
CTO, Co-founder
reports to: CEO
team: *3 persons*

Determined technology both to develop product and platform. Determined milestone for product development. Determined team capability and skill set requirements. Determined tools both for internal use and to be proposed for using in projects.

First 13 years experience summary

Most years were at energy sectors (oil, gas and coal). Had been working for Siemens and done work for projects and provide professional services at oil companies Total E&P Indonésie, Pertamina, gas company PGN, coal mining company KPC and transporter company Petrofin. Had been using various technology, Delphi, C++, DCOM, C#, Visual Basic, PHP and open standard like OPC.

INTERESTS

coding, math, guitar & basses, woodworking, gardening