**Prem Phansuriyanon**

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**EDUCATION**

**Thammasat University Bangkok, Thailand**

* Bachelor of Business Administration (Finance, International Program)Aug 2016 – May 2020
* Yonsei International Summer School, Seoul, South Korea (2019)

**Bodindecha (Sing Singhaseni) School Bangkok, Thailand**

* Highschool - Physical SciencesMay 2009 – Apr 2016

**KBTG (KSoft): SOFTWARE ENGINEERING**

**Software Engineer Oct 2023 - Present**

* **Go back-end applications** - I write back-end microservices for a new app from KBank
* **Go squad lead and reviewer** - Lead Go development team, because of my advanced Go experience. I also write shared libraries and initialize code wireframe for the team, as well as review code from less experienced team members.

**CLEVERSE CORPORATION: SOFTWARE ENGINEERING**

**Software Engineer Oct 2021 - Oct 2023**

* **Go, Rust, and TypeScript back-end applications** for DEX aggregator [swap.arken.finance](https://swap.arken.finance).
* **Sole data engineer** - I designed data storage, pipelines, and wrote the data pipelines with [Apache Beam](https://beam.apache.org/) (Python SDK) for processing blockchain data in real-time. The pipeline is deployed to Google Cloud Dataflow, and can handle both batch and streaming inputs.
* **Sole platform engineer** - my responsibilities revolve around DevOps, and also include creating, installing, and maintaining the VPS servers for DevOps purposes and blockchain nodes (4-5 chains).
* Familiar with traditional back-end engineering concepts - databases (SQL and NoSQL), REST APIs, messaging (Pub/Sub), cryptography, cybersecurity and user authentication.
* Work with blockchains (mostly Ethereum-based) using go-ethereum for a DeFi project.
* Work on algorithms of the *best-rate* engine - an algorithm used to find the best trade routes from all the DEXes we have connected to our service.

**Back-end Programming Instructor Feb 2023 - Aug 2023**

* Design and teach back-end programming (in TypeScript) at [Cleverse Academy](http://academy.cleverse.com).

**OTHER EXPERIENCE**

**My Other Software Projects**

* [Go library for blockchain indexing](http://github.com/soyart/superwatcher), complete with test suites and real world examples.
* Minimal and high performance [Rust trie (data structure) library](http://github.com/soyart/soytrie) based on built-in hash maps.
* [General purpose Go libraries](http://github.com/soyart/gsl) for data structures and other “batteries included” features.
* [Arch Linux declarative installer in Rust](https://github.com/soyart/ali-rs) (similar to cloud-init or autoinstall, but single binary)
* Utilities, e.g. AES-256 encryption utility programs - [one in Rust](https://github.com/soyart/rfc), [one in Go](https://github.com/soyart/gfc), and [one in Python](https://github.com/soyart/pfc)

**Programming languages (sorted by experience):** Go, Rust, TypeScript, Python, C, C++

**Interests:** Computers, Software, Data Structures Cybersecurity, Science, Engineering, Linguistics, History