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Proficient = [**Go**, **Rust**, **Lua**, **Java**, **JavaScript**, **NextJS**, **Postgres**, **Mongo**, **Docker**, **REST**, **GRPC**, **Linux**, **Vim**]
Domains = [Healthcare, Logistics, Infrastructure, Commerce, Anthropology]
Avoidances = [Gambling, Weapon, Beverages, Dating, Media, Property, Advertisement, Web3]

CAREER.

Freelance Developer - Cariyaputta, 11/2022 – Present.
* Various Projects and Dotfiles.
- Design & develop custom REST APIs, CLI tools, & game servers in Go, Java, & Rust.
- Create custom prototype web apps in React, NextJS, TailwindCSS, Mongo, & Firebase.
- Write setup, benchmark, & profile scripts for Linux & optimize Neovim dev environment, & Dotfiles in Lua & Bash.
- Research & create practical applications of functional programming, concurrency, & parallelism in Go & JavaScript.
- Research & implement edge computing platforms, distributed systems, & genetic algorithms in C++ & Go.
- Design & implement libraries for cryptography & embedded systems in C. Compile wikis & documentations.

Remote Backend Engineer - NTQ Solution, 01/2022 – 10/2022.
* Project Dropezy & Sayang.
- Thoroughly profiling & optimizing services & infrastructures for production releases.
- Create new & optimize existing MongoDB queries & aggregates; Write unit tests for 90% code coverage.
- Improve Go code base with more streamlined structure, apply generics & fuzzy tests. Fix Flutter cloud emulator.
- Design & implement big data importer in Go, Java & JavaScript, migrate data from CSVs to Firebase & MongoDB.
- Design & write Customer & Fraud Detection GRPC services in Go; optimize performance of Back Office services.
- Design & write Order & Task GRPC services in Go; integrate REST APIs with shipping vendors' callbacks in Go.
- Mentor junior colleagues, define standard documentations, work with cross-functional teams in Figma & GCP.

Remote Backend Engineer - Monster Pixel, 08/2021 – 12/2021.
* Project Ackio Mesh.
- Design, research, document, write & setup infrastructure for an MVP edge computing embedded system.
- Using Go, Java, Python, AWS & CNCF's technologies such as EdgeX & Docker Compose.

ODC Backend Engineer - FPT Software, 07/2020 – 12/2020.
* Project ETCC E-470 & Halliburton Baroid.
- Pair-programming a Go FTP server, with RabbitMQ, Kafka & MinIO to pre-process data for ML service.
- Implement & optimize Trip Building & Toll Calculation micro-services in Java 8, Spring Boot, & Kafka.
- Implement BackOffice UI & logic with CUBA, PostgreSQL, & Kafka.
- Write extensive unit tests matching ISO standards; Fix GCP Kubernetes deployment scripts.
- Write Detailed Design Documents & BPMNs.

Onsite Fullstack Engineer - PALTECH Company Limited, 10/2018 – 02/2019 (internship), 02/2019 – 03/2020.
* Project FairExchange.
- Migrate from legacy JavaEE & Spring MVC to Java 8 & Spring Boot, from AngularJS to Angular with TypeScript.
- Design & implement end-to-end APIs from database design to frontend in Java 8 & Spring Boot, & Go.
- Design & write high performance Blackjack & Bullseye Roulette HTML web games.
- Write Back Office responsive mobile-first frontend in Angular; design & implement its API & db in Spring Boot.

EDUCATION.

Computer Engineering, BEng - University of Information Technology, GPA 7.19, drop final thesis, 2015 – 2019.

ACTIVITY.

UIT Sumo Robot 2017, 1st Place undefeated (team of 3).
Regional ACM-ICPC 2016, participant (team of 3).

Anthropology, History, Biology, Astronomy, Chess, Video Games.