

LAVANTIEN

Jambudīpa, Earth, Sol, Milky Way, Local Group, Perseus–Pisces, Laniakea

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Technical Skills

Technologies: Go, C++, JavaScript, Java, Python, PostgreSQL, MongoDB, Firebase, AWS, Docker, Make, Markdown

Architectures: REST APIs, GRPC, GraphQL, Distributed Systems, HTTP Callbacks Integration

Working Style: KISS, YAGNI, Git Review-Rebase-Merge, Unit Tests, CI Pipeline, Monitoring-Tracing, Linux, Vim

Experience

Freelance Developer | *FlowerShop, Inventory-Order-Payment-Delivery, EdgeBootstrapper, Dotfiles* **11/2022 – Present**

- Write custom REST APIs, services, CLI tools, game servers, and tools for Chess and Cubing in Go, C++, and Java.
- Write custom web apps in Node, React, NextJS, TailwindCSS, JQuery, MongoDB, PostgreSQL, Docker, and Firebase.
- Write Lua and Python scripts for Linux scheduling pipelines; optimize Makefiles, Dotfiles, and Neovim configs.
- Implement l18n internationalization and a11y accessibility; write wikis and documentations; do translation works.

Remote Backend Engineer, NTQ Solution | *Product Dropezy, Project Sayang* **01/2022 – 10/2022**

- Closely collaborate with frontend and devops teams for smooth production releases; write unit tests for 90% coverage.
- Write Order, Task, Customer GRPC Protobuf services in Go; integrate REST APIs with third-parties callbacks in Go.
- Working with Tech Lead to refactor the code base from multi-repo microservices to a monorepo monolith.
- Write data importers and integration tests in Go and JavaScript to migrate data from CSVs to Firebase and MongoDB.
- Create new and optimize existing MongoDB aggregations; working with Firebase team to fix Firebase cloud emulator.
- Mentor junior colleagues, define MongoDB coding standards, work with cross-functional teams in Figma and GCP.

Remote Backend Engineer, Monster Pixel | *Product Ackio Mesh* **08/2021 – 12/2021**

- Research, document, setup infrastructure, and implement an MVP edge computing embedded system in Go.
- Migrate a C#/Java monolith to microservices using Go, Python, AWS, CNCF's techs such as EdgeX, Docker Compose.

ODC Backend Engineer, FPT Software | *Project ETCC E470, Project Halliburton Baroid* **07/2020 – 12/2020**

- Pair-programming a Go FTP server, with RabbitMQ and MinIO to pre-process data for ML services.
- Implement and optimize Trip Building and Toll Calculation Avro services in Java 11 Spring Boot and Kafka.
- Write extensive unit tests and integration tests matching ISO standards and client's requirements.
- Write Detailed Design Documents for responsible services; write BPMNs for planned use case scenarios.

Onsite Fullstack Engineer, PALTech Company Limited | *Product FairExchange* **10/2018 – 03/2020**

- Migrate from legacy JavaEE and Spring MVC to Java 8 Spring Boot; from AngularJS to Angular TypeScript.
- Document and implement end-to-end APIs from database design to frontend in Spring Boot, Go, and Angular.
- Define the architecture and implement high performance Blackjack, Bullseye Roulette web games in Angular.
- Write Back Office responsive mobile-first frontend in Angular; define and implement its API and DB in Spring Boot.

Education

University of Information Technology **2015 – 2019**

Embedded Systems, Computer Engineering

Jambudīpa, Earth

Relevant Coursework

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|----------------------------------|---------------------------|---------------------------------|
| • Data Structures and Algorithms | • Web Development | • Computer Architecture |
| • Design Patterns | • Distributed Systems | • Compiler and Operating System |
| • Software Methodology | • Networking and Security | • Concurrency and Parallelism |

Activities

UIT Sumo Robot **Winter 2017**

1st Place undefeated

Team 6789

Regional ACM-ICPC **Winter 2016**

Participant

Team Liquid

Hobbies

Winter 2022 – Present

Anthropology, History, Biology, Astronomy, Chess, Rubiks Cubing, Football