Noel Yahan

SOFTWARE ENGINEER

PERSONAL PROFILE

I am a backend engineer and enjoy working with golang to produce solutions for challenging requirements by thinking in product oriented aspects. I grasp new technologies and programming languages rapidly, and stay up to date by regularly following tech blogs and tech talks. I can see projects through the software development life cycle and I am capable of working independently while being accountable to team leaders and stakeholders.

Throughout my years of employment, I have developed and maintained a diverse range of backends in areas of enterprise middleware, retail, transportation and finance. One of my favourite accomplishments is developing a backend of the driver hailing system which involves distributed computing and event driven architecture.

CORE SKILLS

- **Development**
    - Go, Java, JavaScript
- **Technology**
    - Kafka, PostgreSQL, Event Streaming
- **Maintenance & deployment**
    - Kubernetes, GCloud, Linux, CircleCI
- **Tooling**
    - IntelliJ Goland, IntelliJ IDEA, Maven, Git
- **Other**
    - For a great idea, I'll learn anything

REACH ME AT

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PROFESSIONAL CAREER

Senior Software Engineer
MyBudget | 07/2019- Present

MyBudget is a personal budgeting solution company based in Australia. As a part of the core team, I'm helping to migrate the legacy information systems to an event driven distributed system . I mainly support in go language and also helped to make things understandable by sharing my experience with event-driven architecture and Kafka by carrying out tech talks

• Design and implemented infrastructure automation on gcp, kubernetes, circle ci, golang to reduce issues on patch development and non functional/functional testing execution issues.

• Managed and guide team members through two internal projects.

• Performed interviews to hire associate/senior backend engineers to core team.

• Design and implement the contact strategy for messaging to automate messaging solutions. This helped to automate 90% of messaging to clients on proper client event journeys.

• Lead two tooling projects designs, technology guidance to implement a Kafka viewer with SQL capabilities, and RESTful business configuration management on top of Kafka as a datastore.

• Developed a RESTful Kafka topic viewer tool to debug and view synchronized event flows with the capability of querying data by record keys with golang, kafka streams. This helped to track missing events, incorrect data, and incorrect flows in the system.

• Implemented a Kafka connect worker by giving support for Kafka firestore sinker capability with golang. This helped to reduce the memory of the data etl services up to 75% comparatively with java based etls.

Software Engineer
PickMe | 01/2018 - 07/2019

PickeMe is a leading Sri Lankan ride hailing application. As a member of the core team, I helped to re engineer existing monolithic based applications to distributed microservices. I supported mainly in go language throughout the tenure and helped to make things understandable with event-driven architecture, distributed systems and Kafka by carrying out tech talks.

• Integrated first in first out to the ride-hailing driver selection algorithm which helped to assign the trips in an ordered manner especially near airports.

University of Westminster

Software Engineering | Graduated in 2016
- Graduated with first class honours

Bandaranayake College

Advanced Level | Class of 2010
- Combined mathematics stream

ACHIEVEMENTS

• Developed a real-time communication platform based on Apache Stratos PaaS - WSO2 Hackathon SL - 1st runner-up

• Developed an online rating system for police stations - Code4Good 2015 SL - 1st runner-up

• Developed a 3D game - Microsoft Imagine Cup Sri Lanka 2013 SL - 2nd runner-up

• Developed a 3d game controlled by leap motion - Dialog Ideamart Hackathon SL - Code Ultimatum 2014 - 2nd runner-up

• Performed several interviews to hire backend engineers for core team.

• Contributed to the re-architecture of the ride-hailing system by redesigning the driver selection service, driver ETA service from monolithic to event-driven. Which helped to reduce the service, database downtimes by having own key/values stores and increased throughput by around 75%.

• Implemented event automation service to simulate the ride hailing flows to test driver, trips behaviors. This helped to improve the productivity of QA and developers.

• Implemented a custom weighted algorithm to reorder the drivers based on constraints. This helped to dynamically control the ride selection.

• Implemented forward hire feature to the ride-hailing system. This helped to increase the ride counts and to avoid losing rides.

• Contributed to golang Kafka streaming library, This helped to implement many microservices on top of distributed Kafka streams easily with stream operation with less memory and CPU resources.

• Implemented dynamic ruling engine for driver selection service. This helped to close the code releases and fully migrate to a configuration-driven selection with table-driven criterias which can be directly managed by a simple portal.

Software Engineer
Zone24x7 | 06/2016 - 01/2018

Zone24x7 is a leading company in providing software and embedded solutions for retail management, As a part of the backend and frontend team, I was able to support more on java, javascript technology stack and helped to make things understandable on javascript and reactjs testing by conducting tech talks.

• Implemented a customer timeline system backend using Java play and WebSockets. moreover contributed to its frontend with the angular framework.

• Contributed to a Javascript electron based smart price checker for windows based embedded device with react js framework.

• Contributed to a watchdog service for the smart price checker to keep the desktop services alive.

• Fixed memory leaks and optimized chromium application which fixed the intermittent application failures.

Intern Software Engineer
WSO2 | 07/2014 - 07/2015

WSO2 is a leading company on enterprise service middleware, As a part of the kernel team, I worked in developing an experiment project to help and identify the feasible features for the next kernel release.

• Designed and implemented cluster, node monitoring and managing service for WSO2 products based on kernel OSGI model. This helped to monitor the cluster,node health and start/restart/stop capabilities.

• Updated the WSO2 kernel with distributed hazelcast caching dependency for java 7.