Dumindu Madunuwan

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ABOUT ME

A passionate Backend and Cloud Engineer who loves Go, Rust, Docker, Kubernetes, and DevOps.

An enthusiastic developer with creativity, team development and leadership qualities.

- Github:// **dumindu**
- Medium:// **@dumindu**
- WhatsApp:// **+65 8870 4536**

- LinkedIn:// **dumindunuwan**
- Behance:// **dumindu-madunuwan**

EXPERIENCE

NCS PTE LTD | SOFTWARE ENGINEER: GOLANG
November 2023 – November 2024 | Singapore, Singapore

- Go • PostgreSQL • Docker • AWS • ECS • Lambda • SNS
- S3 • SQS • CloudWatch

  - Partnered with teams at NCS and MOM on impactful government projects.
  - Involve new module development and maintainace of confidential projects.

LAZADA TECH HUB (E-LOGISTICS) | MIDDLE GO & PHP DEVELOPER
May 2017 – May 2019 | Ho Chi Minh City, Vietnam

- Go • PHP • PostgreSQL • Docker • Kubernetes
- Prometheus • Redis • RabbitMQ • Grafana • Kibana
- Jira • Confluence • Bitbucket • TeamCity • Lumen • macOS

  - Involve requirement gathering, design, implementation & maintenance of Golang and PHP micro-services; mainly on Notification, Transportation, Order Tracking, Package Splitting, Returns Management Systems.

D&J HOLDINGS (PVT) LTD/ KEENEYE | SOFTWARE ENGINEER
July 2013 – October 2014 | Borella, Sri Lanka

- PHP • MySQL • JS • HTML5 • CSS3 • CodeIgniter • Yii
- JQuery • Bootstrap

  - Front-end & Back-end projects development and maintenance.

WEB CRAFTS (PRIVATE) LIMITED | ASSOCIATE SOFTWARE ENGINEER
May 2011 – February 2012 | Colombo, Sri Lanka

- PHP • MySQL • Yii • JQuery • JS • HTML • CSS • Ubuntu
- LAMP

  - Front-end & Back-end projects development and maintenance.

ALPHA NETWORKS SOLUTION PTE LTD/ AXCLUSIVE | SENIOR GO & DEVOPS DEVELOPER
August 2019 – August 2023 | Singapore, Singapore

- Go • PostgreSQL • Docker • Kubernetes • OAuth2.0
- AWS • Istio • Linkerd • Redis • RabbitMQ • Casbin
- Stripe • Grafana • Loki • Kibana • GitHub Actions

  - Involve requirement gathering, design, implementation, setting up deployment environments in AWS, scaling & maintenance of Golang micro-services.
  - Ensure the resilience of high-volume/ low-latency applications & code quality.

LAZADA TECH HUB | GO & PHP DEVELOPER
October 2014 – August 2016 | Ho Chi Minh City, Vietnam

- PHP • MySQL • Docker • Zend Framework • Yii
- Codeception • Redis • TDD • Jira • Confluence • Bitbucket
- TeamCity • macOS • Linux

  - Involve implementation & maintenance of monolith Front-end and Back-end.

CYBER LMJ AND L.M. JINASENA & CO | SOFTWARE ENGINEER
March 2012 – February 2013 | Colombo, Sri Lanka

- PHP • MySQL • CodeIgniter • HTML5 • CSS3 • JS
- JQuery • Ubuntu • LAMP

  - Front-end & Back-end module development and maintenance of Elephanti app.

RESEARCH & SIDE PROJECTS

LEARNING-RUST.GITHUB.IO
1.5k+ GitHub ☆

E25DX: THEME
Code: 70+ GitHub ☆

LEARNING-CLOUD-NATIVE-GO.GITHUB.IO
Code: .8k+ GitHub ☆
Docs: 80+ GitHub ☆

NIGHT OWL: FIREFOX ADDON
Users: 200+ users
Reviews: 20 ☆ ☆ ☆ ☆ ☆

EDUCATION

BACHELOR OF INFORMATION TECHNOLOGY(2011)
University of Colombo, School of Computing, Sri Lanka

G.C.E. ADVANCED LEVEL(2004)
BIOLOGY STREAM
Mahanama College, Colombo 3, Sri Lanka

G.C.E. ORDINARY LEVEL(2001)
Mahanama College, Colombo 3, Sri Lanka

PROJECT DETAILS

NCS Pte Ltd | Singapore, Singapore

- Confidential : Software Engineer (Golang)

  In this project, I partnered with the internal teams at NCS and the Ministry of Manpower(MOM) to deliver impactful government tech projects.

  Usage: Go, PostgreSQL, Docker, AWS, ECS, Lambda, SNS, SQS, CloudWatch

ALPHA NETWORKS SOLUTION PTE LTD | Singapore, Singapore

- ISP : A Senior Go & DevOps Developer

  This project involved the development of our own Internet Service Provider (ISP) API infrastructure using Splynx, a prominent ISP-management software. We implemented Stripe to handle secure payment transactions. This was showcasing our commitment to efficient, secure, and reliable ISP solutions

  Usage: Go, PostgreSQL, Docker, Stripe, Splynx, Singpass Myinfo, AWS, Redis, Casbin, Grafana, Loki, GitHub Actions

- VPN : A Senior Go & DevOps Developer

  In this project, we established a custom VPN infrastructure using Wireguard and NordVPN servers. We utilized OAuth2 for seamless social login integrations and Stripe for secure payment processing. This was demonstrating our dedication to secure, user-focused VPN services.

  Usage: Go, PostgreSQL, Docker, Kubernetes, OAuth2.0, Sign in with Apple, Sign in with Google, Wireguard, NordWL, AWS, Linkerd, Redis, Casbin, Grafana, Loki, GitHub Actions, Linux

- DNS : A Senior Go & DevOps Developer

  In the DNS project, we developed our custom Domain Name System (DNS) using CoreDNS and custom plugins, facilitating traffic routing based on user location. In addition, we embarked on implementing a Content Delivery Network (CDN) using automated server creation via Ansible on AWS. This project underscored our endeavor to provide efficient and location-sensitive web services.

  Usage: Go, PostgreSQL, Docker, Kubernetes, Prometheus, AWS, Istio, Linkerd, Redis, RabbitMQ, Grafana, TeamCity, Linux, CoreDNS

LAZADA Tech Hub (E-Logistics) | Ho Chi Minh City, Vietnam

- Lazada - Post-Order Management Backends : A Middle Go & PHP Developer

  As a Go PHP Developer, I focused on enhancing Lazada's Notification Management System (NMS), Return Management System (RMS), and other platform components. Additionally, I actively participated in converting the monolith systems to a more scalable and flexible Microservices Architecture, improving the overall functionality and user experience of the e-commerce platform in Southeast Asia.

  Usage: Go, PHP, PostgreSQL, Yii, Microservices Architecture, Docker, Kubernetes, TeamCity, Prometheus, Kibana

LAZADA Tech Hub | Ho Chi Minh City, Vietnam

- Lazada - Online Shopping : A Go, PHP, Tracking & SEO Developer

  As a Go, PHP, Tracking SEO Developer, My responsibilities included working on customer-facing frontend systems, admin backend systems, and the catalog module. Additionally, I implemented tracking and SEO components to ensure an enhanced online shopping experience for users across the region.

  Usage: Go, PHP, MySQL, Zend, Yii, Microservices Architecture, JQuery, Google & Adobe Analytics, GTM, HTML Microdata

- Lazada.com - Corporate Website : A PHP Developer & Release Associate

  As a team, we developed an in-house CMS for Lazada Group's corporate website, Lazada.com. The CMS streamlined content updates, press releases, job openings, and more, enhancing communication with the public and media. Our collective effort ensured a robust and user-friendly platform, empowering Lazada Group's online presence and brand representation.

  Usage: PHP, MySQL, Phalcon, Codeception, BDD, Jira, TeamCity

D&J Holdings (Pvt) Ltd | Borella, Sri Lanka

- ARTWiGO : Main Developer of Frontend & Layouts

  As the Main Frontend Layouts Developer for ARTWiGO, I created an internationalization-supported website inspired by its art-focused mobile app. The platform showcased an artwork gallery, store, and artist profiles, captivating art lovers and collectors worldwide. Additionally, I actively contributed to backend development, ensuring seamless integration and a rich user experience.

  Usage: PHP, MySQL, Codeigniter, Bootstrap , jQuery, AJAX and etc.

  Design : www.behance.net/gallery/18300221/ARTWIGO(web)

- GoTripster : Main Developer of Backend & Layouts

  As the Main Developer of Admin Backend Layouts for GoTripster's mobile app. I focused on developing robust backend functionalities and user-friendly layouts, ensuring a seamless ride-sharing experience with economic products and a rewards platform.

  Usage: PHP, MySQL, Yii, Bootstrap , jQuery, AJAX and etc.

  Design : www.behance.net/gallery/18308237/GoTripster(backend)

- Instant App : A Main Developer of Backend & Layouts

  I developed an admin backend for popular mobile applications in Sri Lanka, including Iraj, TNL Onstage, Wickramarachchi Opticians, Urban Kitchen, and Kama Colombo on Android and iOS platforms. The backend streamlined content management, enhancing the user experience for these apps.

  Usage: PHP, MySQL, Yii, Bootstrap, jQuery, AJAX, Google Map API and etc.

Cyber LMJ and L.M. Jinasena & Co | Colombo, Sri Lanka

- Elephanti Web & Elephanti Mobile Application API Developer

  I worked on web and API development for the Elephanti project. My focus was on creating a user-friendly website and efficient APIs, connecting users with their favorite stores and brands. The platform was launched during the 2012 Internet Week New York event, offering an innovative and seamless shopping experience.

  Usage: PHP, MySQL, Codeigniter, jQuery, AJAX, Google Map API and etc.

Web Crafts (Private) Limited | Colombo, Sri Lanka

- Travel Insurance Sri Lanka : Developer

  Online Travel Insurance System with using the web services of its mother company Travel Guard, Chartis, including agencies and agents handling, online insurances creation and modifications, sales tracking and administrative backend.

  Usage: PHP, MySQL, jQuery , jQuery UI, AJAX and etc.

- HotelRoomNet : A Main Developer

  Online Hotel Reservation System, including hoteliers and hotels data handling, price packages and price insertion for each room types, room bookings calendars, hotels search and rooms search facility, online room bookings and administrative backend.

  Usage: PHP, MySQL, jQuery (including writing widgets for searches) , jQuery UI, AJAX, Google Maps API and etc.

PERSONAL STRENGTHS

- Passionate Researcher: Creative, methodical, and resourceful, a quick learner who loves to explore new horizons.
- Excellent Interpersonal Skills: A skilled communicator and natural leader, I value integrity in all interactions.
- Collaborative Team Player: I excel in teamwork while also thriving individually.
- Eager to Learn and Grow: I embrace learning opportunities for continuous personal growth.
- Commitment to Excellence: I hold myself to high standards and pay attention to detail.
- Results-Driven and Methodical: With a logical approach, I achieve tasks and objectives efficiently.

I hereby declare that the information furnished above is true to the best of my knowledge and belief.

DUMINDU MADUNUWAN   **DATE: 14. 01. 2025**