

Amirul Adli

Senior Full-Stack Software Engineer | React Native, Laravel, Go, Kafka, Kubernetes

Senior full-stack software engineer based in Kuala Lumpur with experience across product code and internal platforms, including React Native, Laravel, Go services, Kafka-backed jobs, search systems, and Kubernetes deployments.

Current work at CARSOME focuses on authentication, inspection, reporting, buyer tools, and internal platform workflows, building on earlier iCar Asia platform modernization work across listings, search, CMS, vehicle services, and backend workflows.

Independent product work includes Terapeas, Omni, iWorld POS, and The Legends CRM, covering the full path from unclear requirements to production support.

Kuala Lumpur, Malaysia
sayaamiruladli@gmail.com
+60 17-512 3670
linkedin.com/in/sayaamiruladli
github.com/vortechron
amirul.vortechron.com

SELECTED HIGHLIGHTS

- Led authentication and internal access improvements across CARSOME and iCar Asia, including shared dealer login and Google Workspace login for employee tools.
- Modernized iCar Asia platform services across authentication, user, vehicle, listing, CMS, search, and backend workflow systems.
- Worked with Kafka, Temporal, Go services, Solr, Elasticsearch, and Kubernetes-backed systems across Malaysia, Indonesia, and Thailand markets.
- Improved vehicle and inspection workflows, including Car Inspect usage by 500+ inspectors in Southeast Asia and faster Vehicle Library updates.
- Delivered independent client and product systems such as Terapeas, Omni, iWorld POS, and The Legends CRM from scoping to production support.

SKILLS

Frontend & Mobile: TypeScript, React / React.js, React Native, Vue / Nuxt.js

Backend & Platform: Go (Golang), NestJS, PHP (Laravel), REST APIs, Microservices, Authentication, Authorization, SSO, OAuth 2.0, Background Jobs, Concurrent Programming, Serverless, Legacy Modernization

Data & Messaging: MySQL, Redis, Apache Kafka, Elasticsearch, Apache Solr, ClickHouse, Temporal, ETL

Cloud & DevOps: Kubernetes, Docker, AWS, Azure, Google Cloud Platform, DigitalOcean, Terraform, CI/CD, GitHub Actions, GitLab CI/CD, Hetzner, Cloudflare, Git

Engineering Practice: System Design, Production Support, Debugging, Code Review, Agile, Jira, Project Estimation, Technical Leadership, Client Communication, AI Assisted Development

WORK EXPERIENCE

CARSOME

Senior Software Engineer II | Full-time

Jul 2024 - Present | Damansara, Selangor, Malaysia | Hybrid

- Led shared dealer login work across iCar Asia and CARSOME user platforms, improving authentication consistency across products.
- Implemented cross-project code changes in services owned by other teams to support unified dealer authentication and smoother user flows.
- Led internal login modernization using Google Workspace, replacing traditional username and password flows for employee tools.
- Worked with ITSO and multiple teams to support Google Workspace user data sync and improve internal employee access workflows.
- Added electric vehicle inspection support across inspection services and the inspection app used for CARSOME car checks.
- Led report validity feature work across multiple microservices, coordinating changes across service boundaries.
- Worked with AWS-based services and contributed to migration work from AWS to Google Cloud Platform.
- Mentored junior engineers through code reviews, task breakdown, implementation guidance, and production support.

iCar Asia (Powered by CARSOME)

Software Engineer | Full-time

Jul 2022 - Jun 2024 | Damansara, Selangor, Malaysia | Hybrid

- Modernized core iCar Asia platform services by migrating authentication, user, vehicle, and selected listing service endpoints from PHP to Go.
 - Migrated legacy CMS content and data from the V1 platform to the newer V2 platform, including Elasticsearch support for content search and retrieval.
 - Developed listing service features and improved listing search behavior using Apache Solr.
 - Built dynamic workflow features with Temporal to support complex business rules and long-running backend processes.
 - Supported production systems across authentication, vehicle, listing, CMS, and search services, including issue investigation and release support.
 - Set up CI/CD pipelines and Kubernetes resources using Jenkins and Google Cloud Platform.
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Baituljannah.ai

Software Engineer | Full-time

Mar 2019 - Jun 2022 | Selangor, Malaysia

- As an early engineering member, helped build Baituljannah.ai's core platform across frontend, backend, internal tools, CMS, blogging, commerce, and chat systems.
- Revamped the chat system with on-demand migrations, helping one of the platform's most-used services handle heavier use for hundreds of thousands of users with fewer bottlenecks.
- Built and maintained internal tools with role-based authorization for multiple business teams.
- Moved selected services to AWS Lambda, Aurora, S3, and CloudFront so the platform was less dependent on the original single-app setup.
- Developed background job and automation services for email delivery, image processing, and operational workloads.

Vortechron Studio

Independent Product Engineer | Part-time / selective projects

Jan 2015 - May 2025 | Kuala Lumpur, Malaysia | Remote

- Delivered selected client and product systems from scoping to production support, including CRM, POS, monitoring, marketplace, automation, and mobile app work.
- Built paid client systems such as The Legends CRM and iWorld POS, covering lead workflows, email campaigns, QuotientApp integration, stock, reporting, and operations across 5 optometry branches.
- Built Terapeas across the landing page, admin panel, and Android/iOS apps, with chat, video/voice calls, expert earnings, Terraform, Kubernetes, and Azure deployment.
- Built Omni as a monitoring tool using Laravel and ClickHouse to track uptime, errors, and service health across client projects and personal products.
- Set up GitHub Actions and GitLab CI/CD pipelines to build, test, and deploy Dockerized services to Kubernetes clusters, including infrastructure hosted on Hetzner.

ADDITIONAL EXPERIENCE

Racuntech Sdn Bhd - Full Stack Developer, Jul 2019 - Dec 2019. Maintained web applications and CRM features, advised clients on practical implementation choices, and automated social media publishing workflows using Make.

Universiti Tun Hussein Onn Malaysia - Web Developer Intern, Aug 2016 - Mar 2017. Built AngularJS and PHP web applications for industry network workflows and helped coordinate a small intern team.

PROJECTS

Terapeas

Expert marketplace with React Native apps, Laravel / Filament admin panel, chat, video/voice calls, Elasticsearch, AI features, Terraform, Kubernetes, and Azure deployment
terapeas.com/

iWorld POS

POS and business operations system for 5 optometry branches, covering stock, ordering, reporting, employee access, and branch workflows
Demo available on request

More projects: amirul.vortechron.com

EDUCATION

Universiti Tun Hussein Onn Malaysia

Bachelor's degree, Information Technology, Sep 2017 - Dec 2018

Universiti Tun Hussein Onn Malaysia

Diploma, Information Technology, Jun 2014 - Mar 2017

Omni

Monitoring tool using Laravel and ClickHouse to track uptime, errors, and service health across client projects and personal products
omni.vortechron.com/

The Legends CRM

Paid client Laravel CRM for lead capture and follow-up, with Gmail lead ingestion, automated stages, email templates, bulk campaigns, and QuotientApp integration
Demo available on request

AWARDS AND LANGUAGES

Awards: UTHM Creative Carnival Gold Medal; Vice Chancellor's Award for Bachelor's Degree and Diploma

Languages: English - Professional working proficiency; Malay - Native or bilingual proficiency