Ali Mohammad Tarif

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Summary

Senior / Lead Software Engineer with 6+ years of experience designing and scaling high-availability, cloud-native platforms. Strong background in system design (HLD/LLD), AWS infrastructure, CI/CD automation, and real-time messaging systems. Proven ownership from product requirements to production deployment. Experienced in event-driven architectures, WebSockets, Redis Pub/Sub, and AI-backed services. Hands-on leader who mentors engineers and delivers reliable systems at scale.

Skills

Design Patterns, AWS, Terraform, Nginx, Docker, Linux, Cache, PHP, Laravel, Python, Django, JavaScript, API, MongoDB, MySQL, Websocket

Experience

Lead Software Engineer

GlocAI Sdn Bhd • Kuala Lumpur   01/2025 - Present

- Led end-to-end system design from concept to production, including requirements analysis, architectural planning, and feasibility assessment.
- Authored and presented High-Level Design (HLD) documents covering scalability, security, cost optimization, and performance trade-offs.
- Drove Low-Level Design (LLD) reviews and technical grooming sessions to ensure maintainable, performant implementations.
- Architected and built a cloud-native backend platform (API + WebSocket + AI services) for a WhatsApp-based product processing ~5,000 messages/day.
- Designed real-time message processing pipelines using Redis Pub/Sub, enabling low-latency and reliable message delivery.
- Built and managed AWS infrastructure including EC2, ECS, ALB, VPC, Security Groups, Route53, IAM, ACM, S3, and CloudWatch.
- Implemented Infrastructure as Code (IaC) with Terraform for consistent, repeatable environment provisioning.
- Containerized services using Docker, standardizing local development and production deployments.
- Designed and maintained staging and production environments, enabling safe releases and continuous delivery.
- Implemented CI/CD pipelines with GitHub Actions for automated testing, builds, and deployments.
- Developed backend services using PHP, Laravel, Nginx, Redis (queues, events), MongoDB, with Swagger for API documentation.
- Built high-performance WebSocket services using PHP + Swoole for bidirectional real-time communication.
- Integrated AI services into backend workflows and collaborated closely with React and Node.js frontend teams.
- Successfully deployed and operated the platform in production; currently used by contracting companies across Malaysia.

Software Engineer II

iPrice Group Sdn Bhd • Kuala Lumpur   06/2023 - 11/2025

- Worked on Malaysia's largest price comparison platform across 8 countries, supporting over 150,000 daily active users.
- Improved SEO and Core Web Vitals (CWV) through performance optimization and monitoring.
- Implemented unit and integration tests, code reviews, and enforced SOLID principles and design patterns.

- Integrated real-time CWV monitoring using Logstash, Elasticsearch, and Kibana, ensuring performance regressions were detected early.
- Tech stack: PHP, Laravel, AMP, JavaScript, Python, GraphQL, Elasticsearch, Docker, AWS, Terraform.
- Actively participated in Agile meetings and contributed to improved team velocity.
- Mentored junior engineers and interns through pair programming and technical guidance.

Software Engineer

iPrice Group Sdn Bhd • Kuala Lumpur   12/2021 - 05/2023
- Owned AdTech implementation across multiple regions, generating 10M+ monthly impressions.
- Built real-time user performance tracking pipelines integrated with analytics systems.
- Reduced infrastructure and monitoring costs by ~25% through Datadog optimization.
- Collaborated cross-functionally to ship features without degrading site performance.

Software Developer

Grenapps Solutions Sdn Bhd • Kuala Lumpur   09/2019 - 11/2021
- Developed and maintained HR management systems serving 20+ enterprise clients.
- Designed relational database schemas and optimized queries for performance.
- Reduced application load time through backend refactoring and frontend optimization.
- Implemented Role-Based Access Control (RBAC) for enterprise security.
- Migrated a Laravel application to Django REST Framework, improving stability and performance.
- Introduced company-wide code review practices.

Key Achievements

Designed and delivered production-grade systems supporting real-time messaging at scale.

- Built and managed AWS infrastructure including EC2, VPC, Security Groups, ALB, Target Groups, ECS, Route53, and CloudWatch, IAM, ACM, S3.

Integration of Real-Time User Data for CWV Monitoring

- Integrated real-time user data to measure CWV and map with Logstash, storing in Elasticsearch, and visualizing with Kibana, ensuring any new feature doesn't negatively affect website performance.

Recognized for Optimizing Costs
- Drove a datadog monitoring initiative that cut expenses by 25%, earning recognition for cost-saving measures.

Education

Bachelor's in Computer Science

International Islamic University Malaysia • Kuala Lumpur   09/2019
GPA / 3.51 4.0

Languages

English, Bangla, Bahasa Melayu

Certificates

Alibaba Cloud Certified Associate (ACA)

Links

[Github](#) , [LinkedIn](#) , [Personal](#)