Zawadul Kawum

Senior Backend Engineer

Jatrabari, Dhaka, Bangladesh | zawadul.kawum@gmail.com | zawadulkawum.com | github.com/zawad1992 | linkedin.com/in/zawad1992

SUMMARY

I design and run backend systems for businesses that depend on them every day: enterprise ERP in Singapore, payments across Asia, healthcare distribution in Bangladesh, and streaming on Toffee, one of Bangladesh's biggest OTT platforms with 50M+ Google Play downloads, and T Sports. I've led a team of 53 developers, and I still write the code.

EXPERIENCE

Software Engineer IV, Techzu Ichicode Pte Ltd

Dec 2024 – Present | Singapore company, hybrid from the Dhaka office

- Architected the ERP for Singapore's largest aircon distributor, serving 10,000+ B2B clients
- Built a WhatsApp Business integration that automates customer inquiries
- Developed an AI document platform with OCR search that automates document processing
- Integrated payments across 5 enterprise applications, including HitPay and AXS, with SGD 500K+ a month at 99.99% uptime
- Built construction management software tracking 200+ active sites
- Mentor a team of 8 engineers, with a 95% sprint completion rate

Head of Development, Nexdecade Technology

Mar 2024 – Dec 2024

- Led 53 developers across several stacks and delivered 25% faster after moving the teams to agile
- Led development on Toffee, one of Bangladesh's biggest OTT platforms with 50M+ Google Play downloads, and T Sports with 5M+, serving millions of users with Spring Boot, Docker and Kubernetes
- Oversaw WebRTC video calling, plus VMS and HRM products
- Improved system performance by 30% and cut infrastructure costs by 20%
- Brought API gateway response times under 200 ms

Asst. Manager, Payment and New Adventure Development, Adventure Dhaka Ltd

Mar 2023 – Feb 2024

- Built a global payment platform processing 1M+ transactions a day at a 99.8% success rate, using Spring Boot, Docker, Kubernetes and Kafka
- Integrated gateways including PayPal, Adyen, Toss Pay, KakaoPay and 2C2P across the Philippines, Korea, Japan and India
- Led NDC airline integration, including Lufthansa, and a multi-currency global hotel booking platform
- Migrated the monolith to microservices

Asst. Manager, Application Development, Pharma Solutions Bangladesh Ltd

Nov 2017 – Feb 2023

- Built ordering systems for 10,000+ pharmacy clients and 800+ mobile field users
- Automated ERP processes across 20+ branches, including HRM from recruitment to payroll
- Delivered patient and inventory management with FEFO stock logic, handling 5,000+ invoices a day
- Built real-time IoT temperature monitoring with C# and Socket.io
- Worked on Active Directory for central user accounts and access management

Sr. Software Engineer, Advance Business Solutions'N Support Ltd

Mar 2017 – Oct 2017

- Business and education ERP for 50+ clients, with a 20% performance gain

Software Engineer, Information Entertainment and Communications Ltd

Feb 2015 – Feb 2017

- Government systems serving 10M+ users and banking systems handling 10K+ requests a day

SKILLS

Languages: PHP, Java, C#, Python, JavaScript, Kotlin

Backend: Laravel, Spring Boot, ASP.NET, Node.js, CakePHP

Data: MySQL, PostgreSQL, MongoDB, Redis, SQL Server, Oracle

Real time and infrastructure: Kafka, WebRTC, Socket.io, Docker, Kubernetes, Google Cloud, AWS, Active Directory

Frontend and mobile: Vue.js, Angular, Android, Ionic, Flutter

AI: Vision AI, OCR, Speech Recognition, Face Recognition, OpenCV, Whisper, ONNX Runtime, Claude Code

EDUCATION

Bachelor of Science, Asian University of Bangladesh, GPA 3.90

TRAINING

AWS Solutions Architect Associate training, ISMS Internal Auditor training, Competency Mapping training, Leadership Skills training, MS Excel Advanced training, Good Storage Documentation Practice training