

# Adrian Yu

West Jakarta, Jakarta, Indonesia | [adrian.yu001@gmail.com](mailto:adrian.yu001@gmail.com) | +62 821 7462 6971 | [adrianyu.my.id](http://adrianyu.my.id)

[linkedin.com/in/adrian-yu1](https://linkedin.com/in/adrian-yu1) | [github.com/AdrianYuu](https://github.com/AdrianYuu)

## Skill

---

**Languages:** Java, Go, C#, PHP, JavaScript, TypeScript, Python, C, C++

**Technologies & Tools:** Spring Boot, Gin, .NET Core, Laravel, NestJS, Node.js, React, Vue, JUnit, Jest, SQL, Redis, MongoDB, REST APIs, gRPC, Git, GitHub Actions, Jenkins, Docker, Kubernetes, MinIO, RabbitMQ, Apache Kafka, Microservices, Linux

## Work Experience

---

**Application Developer**, Bina Nusantara University – West Jakarta, Jakarta Feb 2025 – Present

- Developed a web-based Attendance Management System supporting 120+ internship students using React, Express, and MySQL, featuring location-based attendance validation and real-time attendance code generation.
- Developed an Android electricity usage tracking application using Jetpack Compose and Room, enabling households to monitor power consumption and estimate energy costs.
- Developed an online learning platform for bootcamp-style training using React, Laravel, and MySQL, supporting structured course access and content delivery for final-year students.

**Database Administrator**, Bina Nusantara University – West Jakarta, Jakarta Aug 2024 – Present

- Managed and published laboratory scores for 30,000+ students per semester across six campuses, ensuring data accuracy and seamless integration with BINUSMAYA, BINUS University's internal academic system.
- Produced yudisium analytics for 30,000+ students per semester and provided data for 100+ assistant honorariums.
- Coordinated laboratory quiz and exam appendix schedules across six campuses, resolving conflicts and ensuring on-time execution with operations teams.
- Revamped a legacy ASP.NET MVC system into .NET Core + React with TanStack Query, enabling cross-division data access and configurable course rules.
- Optimized database operations by managing 15+ SQL Server Agent jobs, improving performance via indexing, materialized views, and query tuning.

**Teaching Assistant**, PT Bank Central Asia Tbk (BCA) – Bogor, West Java Jan 2024 – May 2024

- Assisted instruction in Python-based scientific computing using NumPy, SciPy, and Matplotlib.
- Guided 80+ students in implementing numerical methods (equation solving, interpolation, regression, integration).
- Reviewed code, debugged implementations, and supported practical sessions and exercise evaluation.

**Laboratory Assistant**, Bina Nusantara University – West Jakarta, Jakarta Aug 2023 – Aug 2024

- Instructed 20+ classes and mentored 600+ students across core CS subjects including Algorithms, Databases, Networks, HCI, Computer Vision, and Scientific Computing.
- Designed 6 practicum exam cases, graded 500+ submissions, and served as Database Subject Coordinator during New Assistant Recruitment, managing case quality and teaching/evaluation task distribution.
- Completed TPA (Test Progressive Assistant) modules covering Web, Mobile, Game, Networking, and Business Applications (React, TypeScript, Go, Kotlin, Unity, Docker, Linux, Firebase, PostgreSQL, etc.).

## Education

---

**Bina Nusantara University** – West Jakarta, Jakarta Sep 2022 – Sep 2026  
Bachelor of Computer Science, Software Engineering (Streaming)

- GPA: 3.92/4.0
- **Coursework:** Algorithm and Programming, Data Structures, Computer Networks, Software Engineering, Pattern Software Design, Agile Software Development, Operating System, Competitive Programming

## Project

---

### Atlantis

*React, TypeScript, Tailwind, Shadcn, TanStack Query, .NET Core, EF Core, Microsoft SQL Server, IIS*

- Developed an internal web system serving 200+ staff and coordinators.
- Implemented promotion registration and Best Assistant voting functionalities.
- Built academic data mapping and internal file download modules.
- Developed schedule and course management functionalities.

### Attendance Management

*React, TypeScript, Tailwind, Express, Prisma, MySQL, WebSocket, Docker*

- Developed a web-based Attendance Management System supporting 120+ internship students.
- Implemented location-based check-in validation for attendance integrity.
- Built real-time attendance code generation using WebSocket.
- Automated attendance reporting with Excel export support.

### MiniShop

*Vue, TypeScript, Vue Query, Zod, Pinia, Tailwind, Shadcn, Spring Boot, Java, Hibernate, Flyway, MinIO, MySQL*

- Built an e-commerce system with product and category management.
- Developed complete order lifecycle management with status tracking.
- Implemented role-based access control and secure authentication for admin and user operations.
- Integrated MinIO for image storage and retrieval.

### Travelohi

*React, TypeScript, Styled Components, Go, Gin, Gorm, PostgreSQL, Firebase, Canvas, WebSocket, Python, Flask*

- Developed a travel booking platform for flights and hotels.
- Implemented booking management, seat selection, and hotel room handling.
- Integrated WebSocket features for real-time multiplayer games.
- Built promos, reviews, and user profile management features.

### Linkasa

*React, TypeScript, Bootstrap, Firebase, Electron*

- Developed a desktop application for managing airport operations and real-time workflows.
- Implemented flight scheduling, passenger services, and baggage handling systems.
- Built staff, logistics, and equipment management modules.
- Integrated real-time communication via chat and broadcast messaging.

### TemanMabar

*Laravel, Tailwind, Flowbite, MySQL*

- Developed a gaming social platform to help users find and connect with others to play games together.
- Implemented team, competition, and match management features.
- Developed discussion forums and social interaction modules.
- Integrated order and payment processing for in-platform services.

### GymMe

*ASP.NET, C#, Bootstrap, Crystal Report*

- Developed an e-commerce platform for gym supplement sales.
- Implemented product management, inventory tracking, and expiration monitoring.
- Built shopping cart, checkout, and transaction history features.
- Generated transaction reports using Crystal Report.