

Robert Wiliam

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SUMMARY

I am a 3rd-year computer science student at BINUS University majoring in Intelligent Systems. I am a student passionate about artificial intelligence related fields and software engineering. Equipped with foundational knowledge in intelligent systems, machine learning, and software development through being a full-time software laboratory assistant and research development staff at BINUS University and academic projects.

PROFESSIONAL EXPERIENCE

BINUS SOFTWARE LABORATORY CENTER

Kemanggisan, Jakarta Barat

Research and Development Staff

JANUARY 2024 - Present

Chosen and tasked to maintain critical web infrastructure and developing new systems for BINUS which serves thousands of users daily.

- Maintains web infrastructure built using the .NET stack, NextJS, AngularJS and ReactJS, which handle up to 500 concurrent users and an average of 2500 daily active users combined for Software Laboratory Center and select parts of BINUS.
- Handle feature requests, address issues, fix bugs, and resolve other problems related to maintained web applications.
- Collaborated with other divisions across Software Laboratory Center and BINUS to troubleshoot, resolve problems, and implement new features.
- Develop a new application which serves as a new software laboratory assistant registration platform for BINUS university students.
- Containerized Software Laboratory Center applications and pioneered the implementation of CI/CD pipelines, enabling automatic testing, building, and deployment of code directly from version control.
- Implemented monitoring systems to track and manage the resource usage of Software Laboratory Center Node.js, containerized applications, and various backends, ensuring optimal performance and reliability.

Software Laboratory Assistant

JANUARY 2023 - January 2024

Successfully passed a series of selection processes including aptitude test, programming assessments, interview, and training for Software Laboratory Assistant for Generation 23-1 out of 166 candidates.

- Instructed 6-7 classes every week each semester for both Computer Science and Information Systems majors
- Handles case-making and correction
- Completed 5 mandatory Test Progressive Assistant (TPA) which covered topics included:
 - a. Game Programming
 - b. Business Analysis and Desktop Application Development
 - c. Web Design and Programming
 - d. Mobile Application Development
 - e. Networking
- Recognized as the Diploma of Best Performing Assistant, demonstrating exceptional performance among peers.
- Awarded the Best Qualified Assistant, being an assistant with the most qualified subjects to teach.

EDUCATION

BINUS UNIVERSITY

Kemanggisan, Jakarta Barat

Bachelor of Computer Science, GPA: 3.86

2022-2026

SKILLS

Soft Skills: Teamwork, problem-solving, time management, teaching, public speaking

Programming Language: C/C++, C#, Python, Java, Kotlin, Javascript, TypeScript, Go, Rust, Motoko, PHP

Data: Machine learning, SQL Server, MySQL, PostgreSQL, Deep Learning

Web Frameworks: ReactJS, Svelte, .NET, AstroJS, NextJS, NestJS, Laravel, Flask

ACHIEVEMENTS

Diploma of Best Performing Assistant

JANUARY 2024

- Awarded the Diploma of Best Performing Assistant among 40 other candidates, recognized as having one of the best performance and contributions as a Software Laboratory Assistant.

Best Qualification of Assistant

JANUARY 2024

- Earned the title of Best Qualified Assistant among 20 other candidates, recognized as being the assistant with the most qualified subjects to teach.

1st Place Codefest Hackathon 2.0

MARCH 2024

- Designed a decentralized hiring platform that allows users to create and apply for job listings in a secure, scalable and decentralized environment using blockchain and Internet Computer.