

Khoe Winston

Tangerang, Indonesia | (+62) 81315174786 | winstonkhoe@gmail.com | <https://www.khoewinston.com> | <https://linkedin.com/in/winston-khoe> | <https://github.com/winstonkhoe>

EDUCATION

Bina Nusantara University, *B.Sc. in Computer Science*
CGPA — 3.96/4.00 (*summa cum laude*)

September 2020 – July 2024

EXPERIENCE

Software Development Engineer Intern, *Blibli.com*

February 2023 – February 2024

- Enhanced SEO microservices using Java Spring Boot with reactive programming, resulting in a 55% increase in organic traffic and reduced running costs within six months.
- Revitalized dashboard using Vue.js, ensuring 100% design consistency, enhanced maintainability, and significantly improved user experience.
- Collaborated with cross-functional teams to achieve seamless SEO integrations, enhancing overall site performance and search engine rankings.
- Leveraged Google Lighthouse to optimize and repair pages across multiple teams, achieving a perfect SEO score on both mobile and desktop platforms, significantly boosting site visibility and traffic.
- Conducted research and performance tests for dynamic image generation using Playwright, focusing on performance and feasibility, and opening possibilities for generating fast, high-quality images.

Operations and System Development, *Bina Nusantara University*

September 2022 – February 2023

- Led best-performing Research Interest Group (RIG) team, fostering creative software innovations like 'Beecara,' a web app helping Bina Nusantara University students track events for graduation requirements.
- Spearheaded PM2 implementation as a process manager, enhancing runtime stability and achieving 99% service availability.
- Revitalized dashboard using Figma and React.js, significantly enhancing user experience with informative computer status updates and features that reduce the need for instructors to manually control 30+ computers.
- Enhanced Node.js backend code efficiency, enabling the system to handle 50% more commands simultaneously, improving overall performance and responsiveness.
- Provided fast-response technical support for network, system, hardware, and infrastructure, ensuring smooth operation for all activities held in or by the Software Laboratory.
- Upgraded hardware and software for servers and 50+ workstations, boosting system reliability and performance.

Scholarship Mentor, *Bina Nusantara University*

February 2022 – March 2023

- Received 16 credits scholarship.
- Taught Data Structure course through tutoring classes

Laboratory Assistant, *Bina Nusantara University*

September 2021 – August 2022

- Taught multiple classes across 10 programming courses, evaluating assignments, projects, and final exams.
- Qualified as an instructor by completing various trainings and assessments.

Part-time Laboratory Assistant, *Bina Nusantara University*

February 2021 – August 2021

- Taught multiple classes across 10 programming courses, evaluating assignments, projects, and final exams.
- Qualified as an instructor by completing various trainings and assessments.

SKILLS & PROFICIENCIES

Programming TypeScript, Vue.js, React, Next.js, Nuxt.js, React Native, Java, C, Python, Spring Boot, MySQL, Laravel, MongoDB, Go, GraphQL, REST API, Kafka, Bootstrap, Tailwind CSS

Languages English (Fluent), Mandarin (Conversational), Indonesian (Native)

PROJECTS

Bizboost Mobile App <https://bit.ly/bizboost-apk>

October 2023 – March 2024

Developed a cross-platform mobile app for iOS and Android using React Native and Firebase, designed to connect content creators with business owners for endorsement and partnership opportunities

Alam Website <https://alam-jonathandika.vercel.app>

December 2022

Developed a company website for Alam using Next.js and Tailwind CSS, based on high-fidelity designs. Translated detailed design specifications into a responsive, user-friendly, and visually appealing website.