

# Nicholas Brandon Chang

[nbr4nd0n2005@gmail.com](mailto:nbr4nd0n2005@gmail.com) | +62-812-1177-7264 | <https://brandons-portofolio.vercel.app> | [github.com/Brrendenn](https://github.com/Brrendenn)

## PROFILE

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A highly motivated and results-oriented Computer Science undergraduate from BINUS University with a specialization in Software Engineering. Demonstrates a strong passion for web development through hands-on experience in building full-stack applications from the ground up. Proficient with modern front-end frameworks and back-end technologies to build robust, full-stack solutions. A proven communicator and problem-solver with experience mentoring peers in complex technical subjects. Eager to secure a Software Engineering internship to contribute to building innovative and efficient web solutions.

## EDUCATION

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**Bachelor of Computer Science (Software Engineering) | BINUS University, Tangerang, Indonesia**  
*Expected Graduation: June 2027*

- GPA: 3.75 / 4.00
- Relevant Coursework: Data Structures, Algorithm & Programming, Web Development, Database System, Object-Oriented Programming, Agile Software Development, Software Engineering.

## SKILLS

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**Programming Languages:** JavaScript (ES6+), HTML5, CSS3, SQL

- **Frameworks & Libraries:** React.JS, Next.JS, Node.JS, Tailwind CSS
- **Databases:** MySQL
- **Tools & Technologies:** Git, GitHub, VS Code, npm, Figma
- **Soft Skills:** Problem-Solving, Communication, Mentoring, Teamwork, Adaptability

## WORKING EXPERIENCES

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**Peer Mentor** | BINUS University, Tangerang, Indonesia February 2025 - Present

- Mentor and guide undergraduate students in challenging Computer Science subjects to improve their academic performance and overall understanding of key concepts.
- Develop supplementary learning materials and conduct weekly tutoring sessions for groups of 2-5 students.
- Simplify complex programming concepts like data structures and algorithms, resulting in increased confidence and comprehension among mentees.

**Private Tutor** | Self-Employed, Jakarta, Indonesia August 2023 - Present

- Tutor elementary and middle school students in Mathematics, Social, English, and Science, designing personalized lesson plans to address individual learning needs.
- Effectively broke down complex topics into understandable segments, leading to improved grades and subject matter mastery for students.
- Maintain clear and consistent communication with parents regarding student progress, fostering a positive and collaborative learning environment.

## LANGUAGES

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**Indonesian** – Native Proficiency (oral and written)

**English** – Professional Working Proficiency (oral and written)

## PROJECTS

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### **DevLink** | Link-Sharing Profile Application

*Techologies: Next.JS, TypeScript, TailwindCSS, Node.JS, Express.JS, Prisma, PostgreSQL*

<https://devlink-project.vercel.app/> | <https://github.com/Brendenn/devlink-project>

- Developed and built a full-stack link-sharing platform enabling users to create a personalized, shareable profile page with a customized list of their social and professional links.
- Designed and styled a clean, responsive interface using Tailwind CSS and custom UI components from shadcn, ensuring an optimal user experience on both desktop and mobile devices.
- Designed and integrated a secure RESTful API with Node.JS and Express.JS, with Prisma as the ORM for seamless interaction with a PostgreSQL database. Implemented robust user authentication and authorization using JWT and bcrypt for password hashing.

### **LearnSphere** | Gamified Learning Platform with AI Assistant *Techologies:*

*Motoko, React.JS, Node.JS, Vite, DFX, Tailwind CSS*

<https://github.com/Brendenn/LearnSphere>

- Engineered a decentralized, full-stack learning application on the Internet Computer blockchain, featuring a Motoko backend canister for all business logic and data persistence,
- Developed a gamified user experience with a “Quest” system where users complete learning tasks to earn experience points (XP) and level up, with all user stats and progress tracked on-chain.
- Integrated an AI-Powered Chat Assistant directly into the UI, providing users with instant, on-demand help and guidance throughout their learning journey.