

Halipuddin Hambali

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PROFILE

I'm **Halipuddin**, a passionate Frontend **Web Developer**, **Data Engineer**, and **Coding Educator** based in Makassar, Indonesia. With a foundation in Education and a strong drive for self-learning, I transitioned into tech at the age of 23 by building my first website — an experience that sparked my long-term dedication to programming and technology.

I specialize in frontend development (HTML, CSS, JavaScript), backend basics (Node.js, Express), and data engineering using Python and SQL. My professional journey includes building real-world applications, processing data for insights, and mentoring students aged 6–16 in coding fundamentals, game development (Roblox Studio), and creative technologies like Scratch, Thunkable, and AR/VR.

I believe in the power of **project-based learning**, continuous improvement, and making technology accessible to young minds. I actively pursue certifications and training programs to stay updated, grow my skill set, and contribute to the wider tech and education communities.

EXPERIENCE

Coding Educator

Nov 2022 - Present

BrightChamps Edtech | Jakarta, Indonesia

Key Responsibilities:

- **Programming Instruction:** Teaching programming languages such as Python, HTML/CSS, JavaScript, C++, and Java, from beginner to intermediate levels.
- **Interactive Learning:** Utilizing platforms like Tinkercad, Scratch, Thunkable, Code.org, Machine Learning for Kids, and Cospaces (AR/VR) to create engaging and interactive learning experiences.
- **Project-Based Learning:** Assisting students in creating projects that align with the curriculum or their own creative ideas, fostering innovation and critical thinking.
- **Continuous Development:** Actively pursuing professional development through Brightchamps' training programs in programming and design to enhance my teaching skills.
- **Game Development:** Guiding students in game creation using Roblox Studio and coding with the Lua programming language, encouraging creativity and technical proficiency.
- **Parental Communication:** Regularly updating parents on their children's progress during parent-teacher meetings, ensuring transparent and supportive communication.

Web Developer

Mar 2022 - Oct 2022

Self-employed | Makassar, Indonesia

- Pulled from PHP, SQL, JavaScript and other back-end library knowledge to bolster programming resources.
- Planned website development, converting mockups into usable web presence with HTML, JavaScript, AJAX and JSON coding.
- Coded websites using HTML, CSS, JavaScript and jQuery languages.
- Oversaw back-end development using PHP to maintain website integrity.
- Created Java-based solutions for use with AWS and other cloud-based platforms.
- Integrated DevOps automation techniques alongside code repositories like GitHub and Maven.
- Used JavaScript, Bash/Linux shell scripting and Python to design and update databases.
- Furnished research and materials based on up-to-date web design standards.
- Illustrated page design concepts by blending arrangement, style and aesthetic elements to meet predetermined preferences.
- Designed, implemented and monitored web pages, plugins and functionality for continuous improvement.

Tutor/Teacher

Dec 2020 - Mar 2022

Pt. Pelita Training Center | Makassar, Indonesia

- **Web Development:** I empower learners with comprehensive knowledge of front-end technologies such as HTML, CSS, and JavaScript, as well as back-end development using PHP and MySQL. Students gain practical experience in designing and building dynamic, user-friendly websites.
- **Graphic Design:** I guide individuals in mastering CorelDRAW, helping them create impactful visual content such as billboards, flyers, and other marketing materials. This training focuses on both the technical aspects and the artistic principles of graphic design.
- **Microsoft Office Proficiency:** My lessons cover essential Microsoft Office applications, with a special emphasis on Excel. I teach the basics of Excel formulas, preparing learners to leverage this powerful tool for real-world applications in the workplace, such as data analysis, budgeting, and report generation.

EDUCATION

Bachelor Of Biology, Education

State University of Makassar | Makasar, Indonesia

Bachelor Degree of Biology Education

2020

SKILLS

C++JavaJavascriptPythonMachine Learning

Object Oriented Programming (OOP/OOD)MySQL

AWS Certified Solutions ArchitectHTML5 / CSS

Extraction, Transformation & Load (ETL)

LANGUAGES

English	Fluent
Bahasa	Fluent

OTHER SKILLS & CERTIFICATIONS

- # Cloud Computing & Infrastructure
- **ACA Cloud Computing Certification** (*Alibaba Cloud, Sep 2024 – Sep 2026*) Proficient in Alibaba Cloud fundamentals and cloud architecture.
 - **Cloud Practitioner Essentials (AWS)** (*Dicoding, Jul 2023 – Jul 2026*) Basic AWS cloud knowledge including services, deployment, and security.
- # Web Development
- Back-End Development
- **Belajar Membuat Aplikasi Back-End untuk Pemula** (*Dicoding, Aug 2023 – Aug 2026*) Skills: Express.js, Node.js, REST APIs, JavaScript.
- # Front-End Development
- **Belajar Dasar Pemrograman Web** (*Dicoding, Jul 2023 – Jul 2026*) Skills: HTML, CSS, JavaScript.
 - **CSS Crash Course for Beginners** (*Udemy, Nov 2022*) Skills: Styling with CSS.
 - **Belajar Langkah Fundamental Untuk Menjadi Web Programmer** (*Hacktiv8, Oct 2021*) Skills: HTML, CSS, JavaScript (front-end foundations).
- # Programming Languages
- **Memulai Pemrograman Dengan Java** (*Dicoding, Aug 2023 – Aug 2026*) Skills: Java.
 - **Belajar Dasar Pemrograman JavaScript** (*Dicoding, Oct 2022 – Oct 2025*) Skills: JavaScript, Node.js.
 - **Python** (*BrightCHAMPS, Nov 2022*)
 - Skills: Python basics.
- Data Science & Engineering**
- **Data Engineer** (*Kominfo RI, Oct 2022*)
 - **DQLab Series** (*Aug 2022*):
 - **SQL Mastery**: SELECT, GROUP BY, JOIN, UNION.
 - **Python**: 3-part beginner series + data manipulation & quality.
 - **Pandas**: ETL project, data cleansing.
 - **Tools**: MySQL, Python, Pandas.
- # Beginner & Block-Based Programming
- **Scratch, Code.org, Microbit, Thinkable, EduBlocks** (*BrightCHAMPS, 2022–2023*) Introduced to logic, block-based coding, and interactive tools for young learners.
- # All access credentials can be accessed at the following link :
- <https://www.linkedin.com/in/halipuddin/details/certifications/>