

# Juniel A. Husain

Full Stack Developer

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Full Stack Developer with a strong focus on building scalable, high-performance web applications using TypeScript. Specializing in Angular for front-end development and NestJS for robust, maintainable back-end architectures. Passionate about creating clean, efficient code and delivering seamless user experiences.

## Technical Skills

Languages: TypeScript, JavaScript, PHP, HTML5, CSS, SQL, C/C++

Libraries/Frameworks: Angular, React.js, NestJS, Express.js, Next.js, Node.js, Socket.io, TailwindCSS

Developer Tools: Git, AWS, Docker, Linux

## Work Experience

### Full Stack Developer Intern

July 2024 – September 2024

*Deped*

- Engineered **1,200+** teacher records with RESTful APIs using **TypeScript**, **Express.js**, and **Prisma Accelerate**, enhancing backend performance with **indexing**, **caching**, and **Data Proxy**, boosting query speed by 30%.
- Built responsive teacher records dashboard using **Next.js**, **TypeScript**, **TailwindCSS**, **TanStack Query** and **Edge Functions**, cutting data load time by 40% for 15+ users in the department.
- Produced a scalable **Turborepo-based** application, packaged with Docker and hosted on AWS EC2, enabling collaboration among 6+ interns.

### Full Stack Web Developer Trainee

July 2022 – October

2022

*Village 88 Inc. - Philippines*

- Built and deployed several individual and collaborative projects, applying industry best practices in **Git version control**, **agile methodologies**, and **test-driven development**.
- Gained **hands-on** experience in developing scalable web applications with a focus on **clean architecture**, **responsive UI design**, and **RESTful API integration**.
- Collaborated closely with mentors and fellow trainees to conduct code reviews, debugging sessions, and technical discussions that simulated **real-world development environments**.

## Projects

### Freedamn | [Source code](#) | [Website](#)

*TypeScript | Angular | NestJS | MongoDB | TailwindCS | DaisyUI*

- Developed a full-stack social media platform emphasizing freedom of expression and community engagement, utilizing **Angular 19** for the frontend and **NestJS** for the backend.
- Integrated a seamless **rich text editing experience** using **Quilljs**, enabling users to create beautifully **formatted** blog posts with headings, images, links, and styled content — elevating the publishing experience to feel modern and intuitive.
- Integrated **Cloudinary** for media uploads and built a clean, responsive UI using **Tailwind CSS** and **DaisyUI**, enhancing visual appeal and usability across devices.

### Task Tracker | [Source code](#)

*TypeScript | Angular | NestJS | MongoDB | TailwindCSS*

- Developed a full-stack task management application using **Angular** for the frontend and **NestJS** for the backend, facilitating task creation, updates, and status tracking with a clear separation between client and API layers.
- Emphasized modular architecture and clean code practices to enhance maintainability and scalability of the application.
- Implemented features such as task creation, updates, and status tracking, ensuring efficient task management and user interaction.

### Pacman Multiplayer | [Source code](#)

*JavaScript | Socket.io | Node.js | ExpressJS | HTML | CSS*

- Developed a real-time, browser-based multiplayer Pacman game using **Node.js**, **Express**, and **Socket.IO**, enabling players to join and compete in a shared game environment.
- Implemented WebSocket communication to facilitate seamless, low-latency interactions between multiple clients, ensuring synchronized gameplay across sessions.
- Designed and structured the application with **EJS templates** and organized static assets to deliver a responsive and engaging user interface.

## Education

University of Bohol

Bachelor of Science in Computer Science

August 2020 – June 2024