# James Leonard M. De Sena

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General Trias, Cavite

## INFORMATION TECHNOLOGY SPECIALIST & WEB DEVELOPER

Results-driven Information Systems graduate with hands-on experience in the MERN stack (MongoDB, Express.js, React, Node.js) seeking a challenging MERN Developer role. Strong foundation in systems analysis, web development, and data management, coupled with a proven ability to enhance operational efficiency. Committed to developing user-friendly applications and excelling in collaborative environments, consistently delivering high-quality results in team projects.

## KEY COMPETENCIES

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| MERN Stack Development | Database Management | Strong interpersonal skills |
| Web Development | Systems Analysis | Proactive and self-motivated |
| RESTful API Integration | Problem Solving | Collaboration and Communication |

## EDUCATION

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| 2020 - 2024 | **Technological University of the Philippines - Manila** |
| | Bachelor of Science in Information Systems |
| | Cum Laude, Consistent Dean's Lister |
| 2018 - 2020 | **Emilio Aguinaldo College - Cavite** |
| | STEM Senior High School Graduate |
| | Consistent With Honors |

## PROFESSIONAL EXPERIENCE

**Philippine Dragon Media Network Corp.**                    **June 2024 - Present**
**IT Specialist**
- Independently developed the backend and APIs for two scalable web applications using the MERN stack, managing backend services and ensuring seamless local hosting connectivity.
- Enhanced IT operations by streamlining hardware assembly and troubleshooting processes, resulting in improved productivity and successful event registrations for initiatives such as Vivo and job fairs.

**Philippine Dragon Media Network Corp.**                    **March 2024 - June 2024**
**IT Specialist Intern**
- Designed and implemented responsive web applications using HTML, CSS, and the MERN stack for online job fair events, significantly improving attendee experience and engagement.
- Provided hands-on troubleshooting support for common IT issues, gaining valuable experience with network hardware and configurations, including crimping RJ45 cables and installing operating systems.

**TUP Tech Guild**                    **August 2022 - June 2023**
**Technical Operations Assistant**
- Supported live streaming webinars and edited videos for presentations.
- Created 3D animations and rendered high-quality visual content using Render.

**Freelance Developer (Remote)**                    **September 2022 - December 2022**
**Various Clients**
- Developed applications using Java, VB.net, JavaScript, and HTML/CSS, focusing on user-friendly interfaces and functionality.
- Specialized in Java GUI development, delivering tailored solutions to meet client requirements.
- Collaborated with clients to gather project specifications and provided technical support throughout project lifecycles.
- Managed project timelines and deliverables, ensuring high-quality outcomes and client satisfaction.

## PROJECTS

**Web Scraper**

- Backend Developer for a web scraping tool using Puppeteer and Cheerio.
- Deployed frontend on Netlify; hosted backend locally.
- Integrated Google Gemini API for data translation, employing a caching system for efficiency.

**Booking System**

- Independent Backend Developer for designing a RESTful API and handling data.
- Deployed the backend locally and hosted the frontend on Netlify.
- Used Nodemailer to send email notifications and implemented PDF generation.
- Utilized JSON Web Tokens and bcrypt.js for secure authentication.
- Integrated Socket.io for real-time notifications on bookings.

**Blog Website**

- Full Stack Developer for a blogging platform for a job fair using Express.js and MongoDB.
- Developed a Content Management System (CMS) with Quill for enhanced user experience.
- Deployed backend on Render and frontend on Netlify.

**QUIRCOM**

- Full Stack Developer for a freelancing website using Express.js and MongoDB.
- Implemented RESTful APIs for data handling and integrated PayMongo for payment testing.
- Hosted backend on Render and frontend on Netlify. Runner-up for Best Thesis.

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## TECHNICAL SKILLS

**Languages:** HTML, CSS, C, Java, Javascript, PHP, SQL, Dart

**Databases:** MongoDB, MySQL

**Frameworks:** React JS, Express JS, Tailwind CSS, Bootstrap, Flutter

**Libraries:** Node JS, React JS, jQuery, Mongoose

**Tech Stack:** MERN

**Dev Tools:** Git, Github, Figma, Postman, VSCode

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## SEMINARS/WEBINARS/CERTIFICATIONS

- **Globe Business Crack the Code Seminar** (Sequoia Manila Bay, August 2024)
- **WeePay Dimensions: Redefining Your WOW Seminar** (One Ayala, Makati, April 2024)
- **Google Cloud DevFest Manila Seminar** (Asia Pacific College, Makati, October 2023)
- **Kaka-Kompyuter Mo Yan: Python Programming Webinar** (TUP Tech Guild, March 2023)
- **SuperMap Training Webinar** (February - April 2022): Received a certificate for training in Basic Operations of iDesktopX, Image Analysis with SuperMap AI Technology, WebGIS using iServer and iClient, and Introduction to SuperMap iPortal and Mobile GIS.
- **Industry Based Game Development using Construct 3 Webinar** (APES, Technological University of the Philippines, December 2022): Received a certificate for participating in a virtual webinar on game development techniques using Construct 3.