GEM REY BANDOL RAÑOLA

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Lucena City, Quezon Province, 4301

Proficient web developer with a Bachelor of Science in Information Technology and a strong background in full-stack development. Experienced in building responsive, user-friendly websites and online applications with latest development frameworks and tools. In all projects, I prioritize performance, usability, and maintainability. Known for strong problem-solving skills, clear communication, and a desire to provide efficient and innovative digital solutions. I'm eager to bring technical experience and creativity to dynamic development teams and innovative projects.

TECHNICAL SKILLS

- **Languages**:
  HTML5, CSS, JavaScript, TypeScript, PHP, SQL (MySQL, PostgreSQL), Python, .NET (C#)

- **Frameworks & Libraries:**
  React.js, Next.js, Django, Node.js, FastAPI, Flask, Tailwind CSS, DaisyUI, Django REST Framework, Pandas, NumPy, Axios, Zustand, ApexCharts.js, Seaborn, Matplotlib

- **Tools & Platforms:**
  VS Code, Visual Studio, Git, GitHub, Figma, XAMPP, Google, ChatGPT, Gemini,
  Operating Systems: Windows, Linux (Ubuntu, Kali)

PROJECT EXPERIENCE

PC Genie   *April 2025 – May 2025*

- Developed a web-based e-commerce platform focused on selling PC components with features tailored for tech-savvy and budget-conscious users.

- Integrated a knapsack algorithm to recommend optimal PC builds based on price-to-performance ratios, helping users make cost-effective purchasing decisions.

- Implemented dynamic product listings, user authentication, and a custom recommendation engine for improved shopping experience.

- Contributed to both frontend and backend development using modern web technologies.

Queatives   *October 2024 – December 2024*

- Collaborated as part of a development team to build an online job platform aimed at connecting non-professional workers with employment opportunities in Quezon Province.

- Developed key features such as job listings, employer accounts, applicant tracking, and user-friendly interfaces to enhance accessibility.

- Focused on community-driven solutions to improve job accessibility for underserved and rural areas.

CBQP FFE Inventory System   *May 2024 – July 2024*

- Developed a web-based inventory management system to track Fixed Furniture and Equipment (FFE) within the organization.

- Implemented CRUD functionality using Django, PostgreSQL, HTML, and Tailwind CSS for seamless data operations and responsive UI.

- Enabled accurate asset monitoring through categorization, search, and status tracking features.
- Initially created using Bootstrap, HTML, CSS, JavaScript, PHP, and MySQL before transitioning to Django for enhanced backend performance.

CBQP Voting System   *March 2024 – May 2024*

- Developed a web-based voting application to streamline and digitize the cooperative decision-making process.
- Implemented secure, transparent, and efficient voting tailored to cooperative governance needs.
- Designed user-friendly interfaces and built with modern web technologies to ensure accessibility and reliability.

DLL Alumni Office Information System   *March 2023 – February 2024*

- Designed and developed a modular web application using React.js for the frontend and Django for the backend.
- Implemented variables, data structures, and database management using MySQL and ORM techniques.
- Applied core frontend development concepts including data visualization, data preparation, and model evaluation to deliver an intuitive user experience.
- Ensured clean, scalable, and maintainable code across the full stack.

EDUCATION

DALUBHASAAN NG LUNGSOD NG LUCENA   Lucena City
Bachelor of Science in Information Technology   *July 2021 - June 2025*

- **Relevant Coursework:** Introduction to Computing, Programming Fundamentals, Object-Oriented Programming, Data Structures and Algorithms, Database Management Systems, Application Development in Visual Languages, System Analysis and Design, Web Development Technologies

ADDITIONAL SKILLS

- Expertise in programming & coding, solution design, project management, software testing, database management, product development, and Agile methodologies
- Have a solid understanding of designing and implementing RESTful APIs for effective client-server communication.
- Experienced in unit testing for Django, ensuring robust and reliable web applications.
- Skilled in debugging techniques for identifying and resolving software issues efficiently.

HACKATHON EXPERIENCE

Team Leader, *DICT Hack4Gov 2024 Region IV-A* – LIMA Park Hotel, Lima Commercial Estate, Lipa-Malvar, Batangas

- Represented Quezon Province and led a development team in solving real-world cybersecurity

and governance challenges under time pressure.
- Demonstrated leadership, technical expertise, and strategic decision-making throughout the competition.

Participant, *DICT Hack4Gov 2023 Region IV-A* – Calamba, Laguna
- Represented Quezon Province and collaborated with teammates to develop innovative solutions, showcasing strong problem-solving and communication skills.

Participant, *Trend Micro PH Capture the Flag*
- Engaged in hands-on cybersecurity challenges focused on identifying vulnerabilities and strengthening technical skills in threat detection.

EDUCATIONAL TRAINING

- Completed "Python Programming Essentials" training organized by DICT Region 4A.
- Completed "Web Development for Web Developers" training organized by DICT Region 4A, held on November 6-10 and November 13-17.
- Completed CS50W: Web Programming with Django and JavaScript, a free course offered by Harvard University.

EXTRACURRICULAR INVOLVEMENT

Founder & President, *ELITE (Elevating Leaders Innovatively Through Training and Excellence)* – *Dalubhasaan ng Lungsod ng Lucena (DLL)*
- Established a student-led organization dedicated to training and equipping fellow students and campus organizations in technical event support.
- Conducted workshops and hands-on sessions on technical skills such as event presentation, sound system operation, visual management, and overall event technical logistics.
- Spearheaded initiatives to promote leadership, collaboration, and technical excellence in campus activities.

Member, *IT Paradigm – Department Organization*
- Conducted teaching sessions on "Assembling and Disassembling Computers," fostering peer-to-peer knowledge sharing and foundational IT skill development.

REFERENCES

Leonard Andrew Mesiera, MIT	**Alvin Jael**
BSIT Department Head	DLL Faculty
Dalubhasaan ng Lungsod ng Lucena	Dalubhasaan ng Lungsod ng Lucena
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