JENARO S. LOPEZ

Software Engineer | Full-Stack Developer

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Professional Summary

Results-driven Software Engineer and Full-Stack Developer with a passion for building intuitive, high-performance web and mobile applications. Adept at leveraging modern technologies, scalable architectures, and cloud computing solutions to create innovative and user-centric digital experiences. Continuously upskilling in emerging technologies, optimizing system performance, and improving code efficiency.

Work Experience

Full-Stack Developer | TOKI Asia | May 2024 – Jan 2025

- Engineered and deployed scalable mobile and web applications for e-commerce using **Expo, Next.js, and React Native**.
- Developed and maintained high-performance **backend systems** using **PHP, Node.js, and Laravel**, optimizing transaction processing and enabling real-time updates.
- Implemented **payment gateway integrations, shipping APIs, and cloud storage solutions** to enhance e-commerce functionality and expand platform reach.
- Designed and refined **product catalog and search systems**, leveraging **MySQL and MongoDB** to improve database efficiency and streamline data workflows.
- Boosted system efficiency by fine-tuning **database queries, implementing caching mechanisms, and troubleshooting performance bottlenecks**.
- Deployed scalable **e-commerce architectures** on **AWS Cloud Infrastructure** (EC2, S3, RDS) to ensure seamless performance and high availability.
- Configured **CI/CD pipelines**, facilitating smooth deployment cycles, reducing downtime, and ensuring seamless platform updates.
- Delivered comprehensive **e-commerce solutions**, aligning development strategies with business goals to enhance user experience and operational effectiveness.

Key Projects:

- **TOKI Connect (Mobile App)** – Full-Stack React Native Developer
- **TOKI Main (Website)** – Full-Stack Developer
- **TOKI Main Mobile (Mobile App)** – Full-Stack React Native Developer

Software Engineer | Hooli Software | Mar 2022 – Mar 2024

- Designed and developed high-quality **web and mobile applications** using **JavaScript, TypeScript, React, React Native, CSS, Node.js, and Scala**.
- Implemented **containerized applications** by Dockerizing projects and updating Kubernetes clusters.
- Integrated **payment subscription systems**, improving user billing and revenue streams.
- Developed **real-time communication features**, including **video calls, voice calls, and chat applications**.
- Provided mentorship to interns, guiding them through **full-stack development** and industry best practices.

Key Projects:

- **Grab Market Connect (Web Platform)** – Front-End Developer
- **Significant Others Search (Web & Mobile App)** – Full-Stack React Native Developer

Full-Stack Developer | Pro-Solutions Technology | Mar 2021 – Feb 2022

- Developed **custom software applications** tailored to client needs, ensuring performance optimization and scalability.
- Created a **Learning Management System (LMS)** to support students in online learning, integrating it with a **School Management System**.
- Designed and implemented a **backend system using Strapi.js**, enhancing API management and content distribution.
- Built a **video conferencing application**, improving remote collaboration capabilities.
- Developed an **accounting system** integrated with the **School Management System**, streamlining financial processes.
- Provided **technical support, troubleshooting, and maintenance** for deployed systems.
- Led **software deployment cycles**, ensuring smooth transitions from development to production.

Key Projects:

- **Learning Management System (Web & Mobile)** – Full-Stack React & React Native Developer
- **School Management System (Website)** – Front-End, DevOps, and Systems Support
- **Accounting Management System (Desktop)** – Full-Stack Developer

Software Engineer Freelancer | The Box | Feb 2020 – Jan 2021

- Developed **enterprise-grade web applications** using **PHP Laravel** and **React Native**.
- Designed and built a **facial recognition login system from scratch**, improving security and authentication efficiency.

- Led development efforts for a **loan monitoring portal**, enhancing financial processing capabilities.
- Collaborated with cross-functional teams to refine project requirements and ensure **on-time project delivery**.

Key Projects:

- **PCM Accounting System (Web)** – PHP Developer
- **BOX1 Facial Recognition App (Mobile)** – React Native Developer
- **UP Provident Fund Portal (Web)** – Laravel Developer

Technical Skills

- **Programming Languages:** JavaScript, TypeScript, PHP, Python, Java, Scala
- **Front-End Development:** React, Next.js, HTML, CSS, Tailwind, Bootstrap, Material UI
- **Mobile Development:** React Native, Android Studio, XCode, Expo
- **Back-End Development:** Node.js, Express, NestJS, Django, PHP Laravel, Strapi.js
- **Databases:** MySQL, PostgreSQL, SQLite, MongoDB
- **DevOps & Cloud Services:** AWS (EC2, S3, RDS), Docker, Kubernetes, Vercel, Heroku, Linode, Jenkins
- **API & Microservices:** RESTful APIs, GraphQL, PHP Lumen, NestJS Microservices
- **CI/CD & Infrastructure:** Git, CI/CD Pipelines, Kubernetes Orchestration
- **Payment Gateway & Cloud Integrations:** Stripe, Twilio, Cloudinary, Google Cloud
- **Other Skills:** Agile Development, Software Deployment, Technical Documentation

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Education

Bulacan State University

- **Bachelor of Science in Information Technology** (2017 - 2019)
- **Associate in Computer Technology** (2015 - 2017)

Certifications & Additional Information

- Available upon request.