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

Part-time Full-Stack Developer

Ticketnation
December 2024 – March 2025

- Engineered and deployed scalable mobile and web applications for ticketing using **Expo, Next.js, and React Native**.
- Developed and maintained high-performance **backend systems** using **Nest.js** and **PostgreSQL,** optimizing transaction processing and enabling real-time updates.
- Implemented **payment gateway integrations, and cloud storage solutions** to enhance ticketing functionality and expand platform reach.
- Boosted system efficiency by fine-tuning **database queries, implementing caching mechanisms, and troubleshooting performance bottlenecks**.
- Deployed scalable **ticketing 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.

Key Projects:

- **Ticketnation Partner (Mobile App)** – Full-Stack React Native Developer
- **Ticketnation (Website)** – Full-Stack Developer
- **Ticketnation Admin** – Full-Stack Developer

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, Java, 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, CodeIgniter, Java,** 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
- Springboot

Databases

- **MySQL**
- **PostgreSQL**
- SQLite
- MongoDB

DevOps & Cloud Services

- **AWS (EC2, S3, RDS, etc.)**
- **Docker**
- **Kubernetes**
- Vercel
- Heroku
- Linode
- Jenkins

API & Microservices

- **RESTful APIs**
- **GraphQL**
- PHP Lumen
- NestJS Microservices

CI/CD & Infrastructure

- **Git**
- **CI/CD Pipelines**
- Kubernetes Orchestration

- **Google Cloud**
- Xendit
- Paymongo

Payment Gateway & Cloud Integrations

Other

- Stripe
- Twilio
- Cloudinary

- **Agile Development**
- **Software Deployment**
- Technical Documentation

Education

Bulacan State University

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

Certifications & Additional Information

- Available upon request.