JOHN FERRER

SENIOR SOFTWARE ENGINEER
CLOUD ENGINEER

8886 Obrero, Olympia, Makati 📍

john.robert.s.ferrer@gmail.com ✉

johnferrer@netlify.app 🌐

+639058549984 📞

PROFILE

I am a Senior Software Engineer and Cloud Engineer based in Manila, PH. I'm passionate about creating scalable web applications to handle rapid changes to workloads and user demands.

I am also a **3x AWS Certified: Solutions Architect - Associate, Developer - Associate, Cloud Practitioner.**

EXPERIENCES

Senior Software Engineer

House of Representatives of the Philippines

February 2022 — Present

- Develop in-house web applications for the House of Representatives of the Philippines (Congress)
- Develop automated tests (AAA Pattern) such as unit testing and feature testing.
- Working closely with the QA team for different testing phases.
- Attend and conduct meeting to other offices to gather the requirements and propose a technical solution for their problems.
- Lead the migration of the congress website and the legacy web applications from on-premise server to AWS Cloud.
- Set-up, maintenance and ongoing development of continuous build/integration infrastructure.
- Implement CI/CD pipelines to help dev teams to deliver their software quickly and efficiently.
- Design technical solutions on AWS that address projects' requirements for scalability, reliability, security, and performance
- Provides monthly cost and usage of AWS cloud services.
- Participate in team scrum meetings to aid system design, analysis, and troubleshooting.

SKILLS

- Deep understanding in Laravel and PHP development.
- Deep understanding on Coding Standards, Design Patterns, and Best Practices.
- Experience with Both Relational and Non-Relational Databases (MySQL, MSSQL, DynamoDB)
- Experience in Modern Progressive Frameworks such as Vue.js, Tailwind, Vuetify, Bootstrap, Etc.
- Experience in State Management such as VueX and Pinia
- Experience in writing Unit Tests and Feature Tests.
- Experience in using Search Engine (MeiliSearch Rust Search Engine)
- Experience with AWS Services like Lambda, EC2, S3, RDS, Aurora, Elastic Beanstalk, Route53, SNS, SQS, SES, etc.
- Experience in CI/CD such as AWS CodePipeline, CodeCommit, CodeBuild, CodeDeploy.
- Knowledge of Cloud Architecture and CDN technologies such as AWS, Amazon CloudFront.
- Experience in Linux Operating System, including LAMP/LEMP setup and configuration
- Experience in working Docker and Git, Git Flow.
- Ability to prioritize and handle multiple tasks and projects concurrently
- Team Player, Proactive and Accountable.

Software Engineer
Nelsoft Systems Inc.
April 2019 — February 2022

- Develop new features and maintain existing web applications.
- Develop automated tests (AAA Pattern) such as unit testing and feature testing.
- Develop web APIs to communicate with other microservices and systems.
- Working closely with other teams (C# and Java) for API Integration to their systems.
- Working closely with the QA team for different testing phases.
- Monitor assigned bug tickets and assist the Help Desk team for their inquiries.
- Participate in team scrum meetings to aid system design, analysis, and troubleshooting

Software Developer Consultant
Xiklab Digital
March 2020 — January 2021

- Translate high fidelity mockup designs and wireframes into high-quality web app code.
- Work closely with the QA team and Project Manager for the clients' requirements.
- Write technical documentation and user guide on how to use the software.
- Develop web APIs to communicate to other web services such as Single Page Application (SPA).
- Participate in team scrum meetings to aid system design, analysis, and troubleshooting.

Freelancer
Fiverr
December 2019 — March 2020

- Translate client designs and wireframes into high-quality web application code.
- Develop custom web application based on client's requirements.
- Translate existing excel calculator to web app.

Full Stack Developer (Intern)
Captivate Solutions Inc.
December 2019 — March 2020

- Develop new room management system.
- Participate in daily team scrum meetings.
- Attend client meetings to gather their requirements.

EDUCATION

Pamantasan ng Lungsod ng Maynila
2015 - 2019 | Bachelor of Science in Computer Studies - Major in Information Technology

Fort Bonifacio High School
2011 - 2015

Paco Catholic School
2005 - 2011

CERTIFICATIONS

- AWS Certified Solutions Architect - Associate
- AWS Certified Developer - Associate
- AWS Certified Cloud Practitioner

AWARDS

- First Runner Up in PLM Leadership Training (2019)
- Top 2 in all 3rd year PLM BSCS-IT Batch (2018)
- Top 2 in all 3rd year PLM BSCS-IT Batch (2017)
- Top 2 in all 1st year PLM BSCS-IT Batch (2016)
- Consistent AFPSLAI Scholar (2015 - 2019)
- First Honorable Mention (2015)
- First Place In Web Page Designing, Technolympics (2015)
- Layout Artist of the Year (2015)
- M.Y.M Leadership Award (2015)
- MTAP Division, Written Category Contestant (2014)
- Second Place in MTAP, Written Category (2014)

PROJECTS HANDLED

Document Management System (DMS)
House of Representatives of the Philippines

- An automated web application solution for archiving, digitizing, organizing, and tagging of the documents.
- Deployed to three (3) tenants/clients.
- Design Architecture: Microservice, Relocatable, Multi-tenant, Opensource.
- Tech Stacks: Laravel API, Vue.js SPA, Vite, Pinia State Management, MeiliSearch Search Engine, Amazon Web Services (RDS, S3, CloudFront, SQS, SNS, SES, Elastic Beanstalk, CloudWatch, CodeBuild, CodePipeline, Textract, Comprehend)
- Roles: Solo Project, Full Stack Developer and Devops Engineer.
- Demo Link: *https://demo.dms.hrep.online*

HousePass
House of Representatives of the Philippines

- A web application used to check employee's access control and covid-19 symptoms in the House of Representatives of the Philippines.
- Tech Stacks: Laravel API, Vue.js SPA, VueX State Management, Pusher Realtime Updates, and Amazon Web Services (RDS, S3, CloudFront, Elastic Beanstalk, ElasticCache Redis, CloudWatch, CodeBuild, CodePipeline)
- Roles: Backend API Developer
- Live Link: *https://housepass.hrep.online*

SONA 2022 Website
House of Representatives of the Philippines

- An informative static website for the SONA 2022 and historical information on the previous SONAs.
- Tech Stacks: Vue.js SPA, VueX State Management, and Amazon Web Services (S3, CloudFront, CodeBuild, CodePipeline, Route 53, Certificate Manager)
- Roles: Devops
- Live Link: *https://sona2022.ph*

National Canvassing of Elections Application
House of Representatives of the Philippines

- Also known as Halalan 2022
- A web application used to speed up and create a transparent counting of votes for the National Canvassing of Votes.
- Tech Stacks: Laravel API, Vue.js SPA, VueX State Management, Pusher Realtime Updates, and Amazon Web Services (RDS, S3, CloudFront, Elastic Beanstalk, ElasticCache Redis, CloudWatch, CodeBuild, CodePipeline)
- Roles: Backend API Developer, Devops Engineer
- Live Link: *https://canvass.halalan2022.info*

Public Facing Website for the National Canvassing Application
House of Representatives of the Philippines

- A public facing website for the people around the world interested in the live updates on tallying of votes in the House of Representatives of the Philippines.
- Tech Stacks: Laravel API, Vue.js SPA, VueX State Management, Pusher Realtime Updates, and Amazon Web Services (RDS, S3, CloudFront, Elastic Beanstalk, ElasticCache Redis, CloudWatch, CodeBuild, CodePipeline)
- Roles: API Integration in Frontend Single Page Application, Devops.
- Live Link: *https://halalan2022.info*

Cloud Inventory Management Retail System
Nelsoft Systems Inc.

- A web system used by international and local clients for their inventory management system.
- It is connected to multiple microservices and systems like P.O.S. system and Subscription (Online Payment) system.
- Tech Stacks: Laravel API and Blade, Vue.js 2, and Amazon Web Services (EC2, Aurora, S3)
- Roles: Full Stack Developer (Frontend and Backend)
- Live Link: *https://demo.cirms.ph*

Subscription System
Nelsoft Systems Inc.

- A web system used by international and local clients to pay their subscription to our web application services such as CIRMS, P.O.S. system, Hardware Devices, Subscription, etc.
- Tech Stacks: Laravel API, Vue.js SPA, VueX, and Amazon Web Services (EC2, S3, Aurora)
- Roles: Frontend Developer
- Live Link: *https://subscription.cirms.ph*

Kolours Website
Xiklab Digital Inc.

- A web system used to help employees to create, manage, and modify content on a website without the need for specialized technical knowledge.
- Tech Stacks: OctoberCMS (API), Vue.js SPA, VueX, and Amazon Web Services (EC2, S3)
- Roles: Frontend Developer
- Live Link: *http://kolours.ph*

Hygienix Website
Xiklab Digital Inc.

- A web system used to help employees to create, manage, and modify content on a website without the need for specialized technical knowledge.
- Tech Stacks: OctoberCMS (API), Vue.js SPA, VueX, and Amazon Web Services (EC2, S3)
- Roles: Frontend Developer
- Live Link: *http://hygienix.ph*

Hisense Website
Xiklab Digital Inc.

- A web system used to help employees to create, manage, and modify content on a website without the need for specialized technical knowledge.
- Tech Stacks: OctoberCMS (API), Vue.js SPA, VueX, and Amazon Web Services (EC2, S3)
- Roles: Frontend Developer
- Live Link: *https://hisense.ph*

TrashVen (Thesis)
Pamantasan ng Lungsod ng Maynila

- A waste monitoring and segregation technology that properly sorts solid waste into plastic, metal, dry and wet.
- Through a mobile app, users may be able to monitor the amount of wastes inside the bin.
- Tech Stacks: Arduino, C++, Apache Cordova, HTML5, CSS3, JavaScript
- Roles: Programmer and Mobile Developer

Room Management System
Captivate Solutions

- A web system used to monitor available rooms for the hotel. Users can book a hotel room through a website or kiosk machine. System is capable of scanning barcodes and printing thermal receipts.
- Tech Stacks: Laravel, JQuery, HTML5, CSS3
- Roles: Full Stack Developer

REFERENCES

Karl Baldelomar
House of Representatives of the Philippines
Senior Software Engineer
karlbaldelomar.official@gmail.com
+639569942357

Mark Sherwin Salas
Nelsoft Systems Inc.
Senior Software Engineer
msalasmark@gmail.com
+639275916561

Aldous Labastida
Carparts.com
Software QA Engineer
labastida.aldous@gmail.com
+639393810477

Alexies M. Iglesia
Sarisuki
Software Engineer
alexies.iglesia@sarisuki.com
+639455000923