

Jan Lynnel F. Balitaan

Senior Fullstack Application Developer

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Open to remote and relocation opportunities

PROFESSIONAL SUMMARY

Senior Fullstack Application Developer with 9+ years designing and shipping the backend services, APIs and automation platforms that engineering and operations teams run on. Currently at Quantrics Enterprises (Bell Canada), working on network automation services, agentic AI workflows and internal developer tooling across Python, Java, TypeScript and OpenShift. I have led and mentored development teams, served as a product owner, and contributed to a fintech's Electronic Money Issuer license from the Bangko Sentral ng Pilipinas. I work across the full lifecycle: system architecture and database design, multi-protocol API delivery, CI/CD, penetration testing and production support.

SELECTED ACHIEVEMENTS

- Develop and maintain a device configuration backup and compliance platform serving Bell Canada network operations (Python, Flask, Celery, PostgreSQL, OpenShift).
- Built an agentic AI system that carries a Jira ticket through to a merged Telegraf configuration change, using Java, GitLab APIs and Google Vertex AI.
- Exposed a single domain over REST, GraphQL and gRPC for a Point-of-Sale web migration, letting web, in-store and service clients integrate on their own terms.
- Contributed to the team that worked toward an Electronic Money Issuer (EMI) license from the Bangko Sentral ng Pilipinas.
- Led the migration of a FinTech Android application to Huawei Mobile Services.
- Ran vulnerability assessments and penetration tests (Burp Suite, OWASP ZAP, sqlmap, Nikto) and fed the findings back into the codebase.

PROFESSIONAL EXPERIENCE

Quantrics Enterprises, Inc. (Bell Canada)

Philippines · Telecommunications

Senior Fullstack Application Developer | June 2024 – Present

- Develop and maintain the device configuration backup and compliance platform used by network operations — Python, Flask, Celery and PostgreSQL on OpenShift.
- Rebuilt that platform's user experience around paginated APIs, server-driven datatables and asynchronous calls, replacing slow full-page loads with responsive views.
- Tuned StackStorm, MongoDB and RabbitMQ so the automation estate could absorb agentic and high-volume workflows.
- Created an agentic system that carries a Jira ticket through to an implemented Telegraf configuration change, using Java, GitLab APIs and Google Vertex AI.
- Shipped an AI-assisted desktop work assistant in Electron and TypeScript that brings Jira, GitLab merge requests, ServiceNow and Vacation Tracker into one window, cutting daily context switching

for the team.

- Helped build a monitoring data-gathering tool: a microservice plus an installable cross-OS watcher agent that manages dynamic Telegraf configurations and certificates.
- Contributed to a universal web IDE that lets the operations team make configuration changes safely — TypeScript, Vue.js, Python and GitLab APIs.
- Automated certificate renewal for Cisco Unified Communications Manager devices, removing a recurring manual task for operations.
- Developed a BigQuery-backed data service in Python and FastAPI.
- Wrote Python SDKs and Pydantic models that give the team a typed interface to internal microservices and to Fortinet and Arista device APIs.
- Hardened the Expect scripts behind device connectivity and command execution.
- Automated artifact promotion between repositories to keep versioning reliable.
- Extended GitLab CI/CD pipelines to generate worker pods dynamically from project YAML, simplifying deployment.
- Delivered standard Java and Spring Boot APIs fronting IBM Maximo for the team to reuse.
- Produced the system architecture and process flows for the configuration backup and compliance platform.
- Work inside a SAFe Agile train, with daily AI-assisted development using Claude Code and GitHub Copilot.

HRS Marketing Pte Ltd.

Singapore (remote) · Food & beverage retail technology

Backend Developer | June 2021 – April 2024

- Created the Raptor Multi-Application Service and Raptor Accounting Service from the ground up in Python, FastAPI and PostgreSQL, including Xero and Mekari Jurnal integrations.
- Delivered the Next.js front ends for both Raptor services.
- Built the API layer of the Point-of-Sale web migration, exposing one domain over REST (FastAPI), GraphQL (Strawberry) and gRPC.
- Integrated the QSR Automations Kitchen Display System using Python and MSSQL.
- Implemented SymmetricDS to migrate and continuously synchronize data from MSSQL to PostgreSQL.
- Developed the Site, Receipt and Device Management modules on gRPC and Python.
- Ran vulnerability assessments and penetration tests with Burp Suite, OWASP ZAP, sqlmap and Nikto, and fixed what they surfaced.

ChatDaddy Inc.

Hong Kong (remote) · SaaS / conversational commerce

Senior Software Developer | September 2020 – May 2021

- Built and hardened the OAuth 2.0 authorization server in Node.js and Express.js with PostgreSQL.
- Developed the customer-facing dashboard in React.js.
- Improved the automated keyword-reply application (Python, Flask) and the campaigns service (TypeScript).
- Designed a multi-level conversational flow engine using spaCy and PyTorch.
- Created Gmail parsers and a Shopify integration for the platform integration service — TypeScript, Express.js and MySQL.
- Shipped the automated subscription and payment system behind ChatDaddy's paid plans.

Freelance / Independent Consulting

Remote · Multi-client

Software Developer | *March 2019 – March 2022*

- Designed and built a complete product suite for a private startup client.
- Developed the backend API for a Filipino-Chinese dating platform, one of the first dating sites in the Philippines, using Python 3, Flask and MySQL.
- Delivered a content-managed website for a clinical psychology practice in Australia using PHP and WordPress.
- Built a content management system for one of the largest IT organizations in the Philippines using PHP and WordPress.
- Created a content-managed website for a Philippine manufacturing company.

Nessotech Inc.

Philippines · FinTech / e-money

Team Lead | *January 2020 – August 2020*

- Managed and mentored the development team through the FinTech mobile application revamp.
- Led backend optimization and the rollout of security patches across the FinTech application.
- Created a reporting dashboard in Python 3 and Flask with MySQL.
- Administered the GitHub repositories, Firebase console, Huawei Developer console and Google Play console.
- Set the partner-integration development plan and wrote the API design documentation, process flows and database designs.
- Provided end-to-end support to the operations team.

Product Owner | *November 2019 – December 2019*

- Served as Product Owner for the payment gateway, coordinating the development team through delivery.
- Authored the API design, database design, process flows, system architecture and technical documentation.
- Ran the security review, end-to-end testing and end-to-end support for the gateway.

Android Developer | *June 2018 – August 2020*

- Built and shipped the company's FinTech Android application.
- Contributed to the team that secured an Electronic Money Issuer (EMI) license from the Bangko Sentral ng Pilipinas.
- Led the migration of the FinTech Android application to Huawei Mobile Services.
- Automated support, monitoring, report generation, data extraction and testing with Python 3 and MySQL.
- Provided vulnerability assessment and penetration testing to strengthen the platform's security posture.
- Worked across AWS EC2, RDS, S3 and Glacier, and joined strategic and business planning sessions with management.

Risingtide Mobile Entertainment Inc.

Philippines · Mobile entertainment / VAS

Software Developer | *September 2017 – June 2018*

- Developed an Account Management System in Python 3 and Django with MySQL, running on AWS EC2 and RDS.
- Built an SMS Gateway in Python 3, Perl and Java with RabbitMQ as the queuing layer.
- Delivered a Handset Delivery Android application and its Python 3 and Django backend with MySQL.
- Created a mobile number cleaning tool in Python 3 and Django with SQLite.
- Automated monitoring, report generation, data extraction and testing with Python.
- Contributed to a team effort that cut infrastructure cost and improved system performance.
- Ran quality and stress testing, wrote technical documentation and supported the business team end to end.

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, Java, PHP, Perl, SQL, Bash

Backend & APIs: FastAPI, Flask, Django, Celery, Spring Boot, Express.js, Node.js, gRPC, GraphQL (Strawberry), REST, Pydantic, OAuth 2.0

Frontend: Vue.js, React.js, Next.js, Electron, HTML5 & CSS3, WordPress

Data & Storage: PostgreSQL, MySQL, MSSQL, MongoDB, SQLite, BigQuery, SymmetricDS, Database design & optimization

Cloud, Infra & DevOps: OpenShift, AWS (EC2, Elastic Beanstalk, RDS, S3, Glacier), GitLab CI/CD, GitHub Actions, Linux administration, Nginx, RabbitMQ, StackStorm, Munin

AI & Automation: Agentic workflow design, Google Vertex AI, Claude Code, GitHub Copilot, spaCy, PyTorch, Telegraf, Expect, Web scraping

Security: Vulnerability assessment & penetration testing, Burp Suite, OWASP ZAP, sqlmap, Nikto, Certificate lifecycle automation

Mobile: Android, Huawei Mobile Services, Firebase, Google Play Console

Architecture & Practice: System architecture & design, API design, Technical documentation, SAFe / Agile, Code review & mentoring, Product ownership, Troubleshooting & root-cause analysis

PROFESSIONAL STRENGTHS

- Leads and mentors development teams, and adapts quickly to new environments and domains
- Performs reliably under pressure, with strong time, stress and priority management
- Problem solving and decision making grounded in evidence and system understanding
- Clear written and verbal communication with engineering, operations and business stakeholders

EDUCATION

FEU Institute of Technology

Manila, Philippines

Bachelor of Science in Information Technology | *August 2017*

Specialization in Web and Mobile Applications

- Academic Scholar, 1st year through 4th year (SY 2013-2017)
- Top Performing Student, 4th year (SY 2016-2017)

LANGUAGES

- **English:** Professional / full working proficiency
- **Filipino (Tagalog):** Native