Joshua Aguilar
Senior Full Stack Developer

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PROFESSIONAL EXPERIENCE

SENSETIME (REMOTE)   **Hong Kong, China**
Senior Full Stack Engineer   **Jan 2023 – Sep 2025**

Project: NovaPay Fraud Detection Platform
A real-time fraud detection system for digital payments, designed to process millions of daily transactions and flag anomalies instantly using AI-assisted analytics.*

- **Architected the backend infrastructure** using **Java 17, Spring Boot 3, Kafka, and AWS Lambda**, enabling the platform to handle **2M+ events/day** with sub-100ms latency.
- **Implemented event-streaming pipelines** for transaction monitoring and fraud scoring, cutting detection time from 5 minutes to **under 10 seconds**.
- Developed a **secure REST/gRPC API** that integrated with banking partners and internal AI models for continuous fraud prediction.
- Automated deployments via **Jenkins + Terraform**, reducing release time by **70%** while improving reliability.
- Most proud of: **Building the core fraud analysis engine** that now powers every transaction check in production — a system that directly prevents financial losses daily.

EXIST SOFTWARE LABS, INC   **Quezon City, Philippines**
Full Stack Engineer   **Sept 2019 – Dec 2022**

Project: ShipFlow Logistics Tracking System
A web-based logistics tracking platform that provides end-to-end shipment visibility, automated route optimization, and delivery analytics for enterprise clients.*

- Designed and developed the **Django** + **React** architecture, connecting front-end dashboards to **real-time shipment** data.
- Integrated **RabbitMQ** for **asynchronous** event handling, enabling 70K+ shipment updates daily without system lag.
- Built **geo-tracking** and predictive routing modules using **AWS Lambda** and **DynamoDB**, helping reduce delivery time and fuel usage by 18%.
- Led **UI optimization** efforts that cut average page load time by 35%, improving client satisfaction scores.
- Most proud of: Designing the **asynchronous messaging system** that became the backbone of the platform's **real-time tracking** capability.

SYTIAN IT PRODUCTIONS   **Quezon City, Philippines**
Software Engineer   **Jun 2018 – Aug 2019**

- Built **ETL pipelines** using **Azure Data Factory** and **Databricks**, integrating 15+ data sources from ERP, CRM, and HR systems.
- Automated financial reporting with **Power BI dashboards**, giving executives live revenue insights instead of weekly static reports.
- Created **data quality and reconciliation checks** with **Azure Functions**, cutting manual review time by **90%**.
- Most proud of: **Designing the ETL validation framework** that became a company-wide template for new analytics projects.

EDUCATION

ATENEO DE MANILA UNIVERSITY   **Quezon City, Philippines**
Bachelor of Science in Information Technology Entrepreneurship   **Apr 2014 – May 2018**

SKILLS

- **BACKEND**
  Python, Node.js(Typescript, Javascript), GraphQL, gRPC, Rest APIs, Java, Go(Golang), Apache Kafka, RabbitMQ, Prometheus, Grafana, Datadog
- **FRONTEND**
  React.js, Next.js, Angular.js, Vue.js, TailwindCSS, HTML, CSS
- **DATABASE**
  PostgreSQL, MongoDB, MySQL, Redis, DynamoDB, CassandraDB
- **AWS**
  EC2, ECR, ECS, CKS, Fargate, API Gateway, EventBridge, SQS, SNS, Lambdas, CDK, S3, DynamoDB, RDS
- **DEVOPS**
  Docker, Kubernetes, Github actions, CI/CD designing, AWS EC2, ECR, ECS, EKS, Terraform, Jenkins