

# JUPITER PAULE

Full Stack AI Developer

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jupiter-rouge.vercel.app

## PROFESSIONAL SUMMARY

Results-driven Full Stack AI Developer with 8+ years of experience designing and deploying scalable AI-powered web applications. Proficient in integrating machine learning models into full-stack ecosystems, from data pipeline development to model deployment and front-end implementation. Adept at leveraging modern AI frameworks (TensorFlow, PyTorch) alongside cloud platforms (AWS, Azure) to deliver intelligent solutions that enhance user experience and drive business value. Passionate about bridging the gap between cutting-edge AI research and production-ready applications.

## WORK EXPERIENCE

### Senior Full Stack AI Developer

Jan / 2021-Ongoing

Manila

- Architected and deployed 3 end-to-end AI web applications, reducing manual processing time by 65% through automation and predictive analytics.
- Developed and integrated custom NLP models for real-time document analysis, improving data extraction accuracy from 78% to 94%.
- Led migration of legacy monolithic systems to a microservices-based architecture using Docker and Kubernetes, enhancing system scalability and reducing latency by 40%.
- Collaborated with data scientists to productionize machine learning models via FastAPI and Flask, ensuring seamless integration with React-based front-end interfaces.
- Implemented CI/CD pipelines using Jenkins and GitLab, automating testing and deployment of AI model updates.

### Full Stack Developer (AI Specialization)

Apr / 2018-Apr / 2021

- Built a recommendation engine for an e-commerce platform, increasing cross-selling revenue by 22% through personalized user suggestions.
- Designed and developed RESTful APIs to serve computer vision models for image classification, processing over 10,000 daily requests with 99.5% uptime.
- Created interactive dashboards using D3.js and React to visualize model performance metrics and data insights for stakeholder review.
- Optimized database queries and caching strategies(Redis), improving application response time by 35%.

## EDUCATION

### Bachelor of Science in Computer Science

University of Philippines

Apr / 2022-Apr / 2023

Quezon City, Philippines

Focused on software development, data structures, and algorithms.

## SKILLS

Python



Django



Flask



React



AL/ML, RAG Integration






Vector database



Wordpress



## ACHIEVEMENTS

-  Developed a scalable web application using Django and React, improving user engagement by 30%.
-  Directed a team of 5 in transitioning a legacy system to a Python-based architecture, achieving a 50% decrease in maintenance costs.
-  Implemented RESTful APIs that reduced data retrieval time by 40%, enhancing overall application performance.