

Simon Degala Campos

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SUMMARY

AI Backend Developer & Python Expert with 6+ years of specialization in designing and building scalable, high-performance backend systems. Skilled AI/ML Engineer with a strong track record in developing robust AI agents and intelligent solutions. Proficient in creating efficient, scalable architectures that drive innovation and support complex AI workflows. Adept at leveraging cutting-edge technologies to deliver impactful, reliable backend services for demanding applications.

SKILLS

AI & ML

PyTorch, TensorFlow, Keras, JAX, Hugging Face, LangChain, RAG, LlamaIndex, Numpy, Pandas, Polars, Scikit-learn, Jupyter, OpenCV, XGBoost, MLflow, Streamlit

Frontend

React, Next.js (App Router, Server Components, Turbopack), Vue.js (Composition API, Pinia), Angular 18, JavaScript (ES2025+), TypeScript 5.6+, HTML/CSS (CSS Nesting, Container Queries), Tailwind CSS 4, Zustand, Vite 6, pnpm, Yarn, Figma

Backend

Python, FastAPI, Flask, Django, Node.js, Express.js, Go, Laravel, Rust, RESTful API, GraphQL, WebSockets, Microservices, MySQL, PostgreSQL, MongoDB, Redis, Supabase

Mobile

Flutter, Dart, React Native, Kotlin, Swift, Android Studio, Xcode, Firebase

DevOps

AWS, Google Cloud, Kubernetes, Github Actions, Docker, Terraform, Kafka, Grafana, RabbitMQ, Git, Github, Gitlab

Trading

Timeseries Forecasting (LSTM, TimeXer, TimeMixer, TimeMixer++, TabPFN-v2, TIME-MOE), Sentiment Analysis, Pattern Detection, Algorithm Trading, Backtesting, Optimization, Cryptocurrency, Forex Trading, Stock Market, Trading Automation (TradingView, IBKR, MetaTrader 4, MetaTrader 5, NinjaTrader 8, cTrader, Binance, Bybit, Bitget, Blofin, MEXC, TradeStation)

Other

Cursor, Postman, Selenium, Cypress, OpenAI API,

EXPERIENCE



AI Full Stack Developer

Upwork

📅 08/2025 - Present 📍 Remote

Upwork is a leading global freelancing platform headquartered in Palo Alto, California, connecting businesses with independent professionals and agencies across various categories including software development, design, marketing, and more.

- Served as AI Full-Stack Developer on Upwork, delivering 10+ client projects including web apps, mobile apps, custom AI models, and profitable trading systems with optimized strategies
- Built end-to-end AI-powered web applications using React/Next.js frontends, scalable Node.js/Express backend APIs, and real-time ML model integration for enhanced user automation
- Developed cross-platform mobile AI apps with Flutter/React Native, incorporating on-device inference and cloud-based model hosting for seamless performance
- Designed and deployed high-return algorithmic trading systems, including backtesting frameworks, risk management modules, and live strategy optimization that increased client ROI by up to 40%
- Engineered custom machine learning pipelines with TensorFlow/PyTorch, fine-tuning models for domain-specific tasks like predictive analytics and NLP in client deliverables
- Implemented CI/CD pipelines with GitHub Actions and Docker, automating deployments to AWS/GCP for AI workloads, reducing release cycles by 60% across Upwork projects



Algorithm Trading Specialist

Truelancer

02/2024 - 08/2025 Remote

Truelancer is a global freelance marketplace connecting businesses with skilled professionals globally

- Developed and optimized algorithmic trading strategies across cryptocurrency, stock, and forex markets by leveraging advanced AI techniques for enhanced performance
- Applied natural language processing for sentiment analysis on financial news sources, directly improving trade decision-making accuracy and outcomes
- Utilized cutting-edge time series forecasting models including LSTM, TimeXer, TimeMixer, TimeMixer++, TabPFN-v2, and TIME-MOE to predict asset price movements and emerging market trends
- Implemented robust machine learning pipelines focused on risk management and automated trade signal generation to minimize losses and maximize returns
- Integrated trading algorithms seamlessly with centralized exchange APIs such as Binance, Bybit, Bitget, Blofin, and MEXC for real-time automated execution
- Conducted in-depth analysis of historical trading data to iteratively refine models, boosting overall strategy profitability.
- Excelled in backtesting, optimization, pattern detection, and trading automation using platforms like TradingView, IBKR, MetaTrader 4/5, NinjaTrader 8, cTrader, and TradeStation



Senior Backend Developer

Plentina VN

04/2021 - 02/2024 Paranaque, Philippines

Plentina is a fintech startup providing Buy Now, Pay Later (BNPL) credit solutions in emerging markets, primarily in the Philippines. The company helps consumers build credit history and make cashless payments through a mobile app and partnerships with merchants

- Directed backend engineering for sophisticated credit and loan management platforms, utilizing cutting-edge frameworks and cloud infrastructure to ensure scalability and reliability
- Architected and sustained high-performance RESTful APIs, enabling seamless integration across mobile and web-based fintech applications
- Spearheaded the deployment of advanced AI-driven solutions for clientele, incorporating machine learning models and intelligent analytics to enhance decision-making processes
- Engineered secure data pipelines in full compliance with stringent financial regulations, safeguarding sensitive transactional information
- Refined database architectures and query optimizations to support high-volume, low-latency transaction processing in production environments
- Orchestrated integrations with leading third-party payment gateways and merchant ecosystems, facilitating efficient Buy Now, Pay Later (BNPL) operations
- Partnered with cross-functional teams to convert complex product specifications into resilient, enterprise-grade backend implementations



Junior Backend Developer

Converge ICT

10/2019 - 04/2021 Angeles, Philippines

Converge ICT Solutions Inc. is a premier fiber optic internet and digital services provider in the Philippines, known for its extensive fiber network and commitment to reliable, high-speed internet connectivity for homes and businesses

- Engineered robust backend features for internet service provisioning and billing systems utilizing Node.js, Python, and related frameworks to enhance operational efficiency and user experience
- Optimized database schemas and queries in MySQL and PostgreSQL, managing large-scale customer accounts and service data to improve query performance and reduce latency.
- Designed and implemented secure RESTful API integrations with third-party monitoring and provisioning platforms, ensuring seamless data exchange and system interoperability
- Diagnosed and resolved critical backend performance bottlenecks and security vulnerabilities, fortifying system reliability and compliance with industry standards
- Collaborated closely with senior engineers on the development and deployment of modular system enhancements, adhering to agile methodologies and CI/CD pipelines
- Conducted thorough code reviews and enforced best practices throughout the software development lifecycle, promoting code quality and maintainability
- Contributed to cross-functional teams in upgrading legacy systems, delivering scalable solutions that supported business growth and service expansion

EDUCATION

Bachelor's Degree in Computer Science

University of Rizal System (URS)

2016 - 2019 Tanay, Philippines

- Completed coursework in software development, data structures, algorithms, databases, and programming languages
- Participated in projects involving web development, mobile apps, and software design
- Gained practical experience in coding, debugging, and collaborative development environments

PROJECTS

UI-Butler - Advanced Full-Stack Monorepo Architecture

<https://www.uibutler.xyz/>

Full-Stack monorepo using Turborepo with Nest.js backend microservices and Next.js frontend microservices

Backend Architecture

- Microservices Framework: Nest.js-based services with modular architecture
- Inter-Service Communication: gRPC protocol implementation
- Caching System: Custom Redis-based caching implementation
- Authentication: JWT and Passport.js integration
- Job Processing: BullMQ integration for async operations [recommended only for dev because of large amount of redis calls in production]
- AI Integration: GEMINI AI response streaming
- Workflow Management: Custom AI workflow handling for planning the execution
- Microservices proxying: Implementing proxying from API-GATEWAY to components microservice
- Hybrid backend microservice: Generated a Nest.js app that is a hybrid application. It serves as an HTTP server and as a microservice.
- Containerization: Containerizing microservices with docker and docker-compose

Frontend Implementation

- Frontend Microservices: Next.js-based modular frontend architecture
- SSE: Showcased how to handle Server-Sent Events on the frontend and backend for instantaneous streaming the AI responses
- Workflow Visualization: React-flow implementation
- State Management: Advanced state management patterns
- API Integration: Comprehensive API service integration

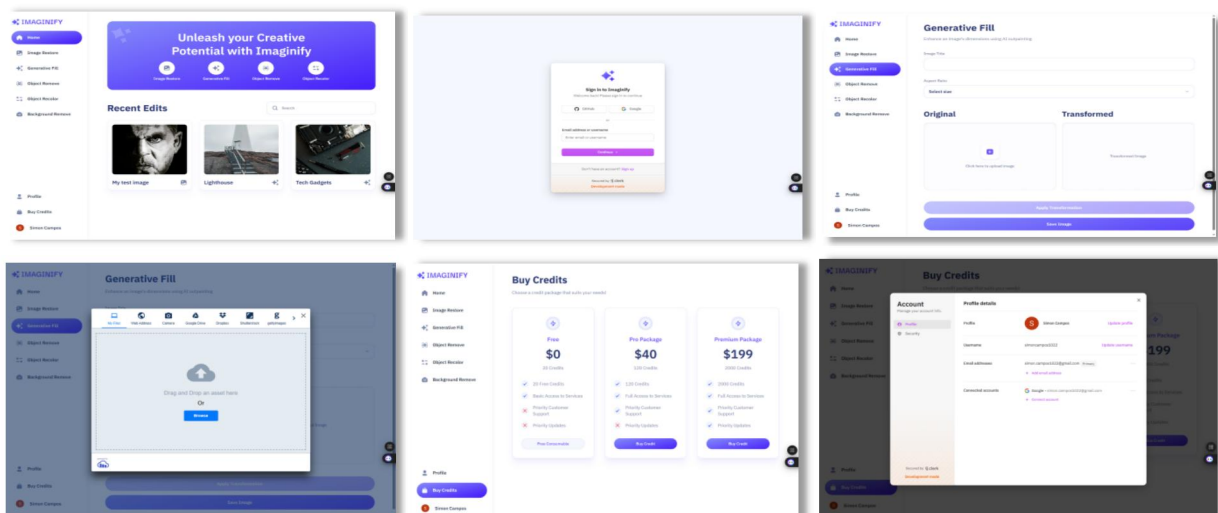
PROJECTS

Imaginify - Image Transformation Platform (AI-Powered SaaS App)

<https://ai-sass-app-pi.vercel.app/>

Imaginify is a cutting-edge AI-powered SaaS platform that transforms images using advanced machine learning algorithms. Built with modern web technologies, it provides users with powerful image editing capabilities through an intuitive and beautiful interface. The platform leverages state-of-the-art AI models to deliver professional-grade image transformations that were previously only available to experts with expensive software.

- Imaginify is an AI-powered SaaS platform that delivers professional-grade image transformations using advanced machine learning models like CNNs, GANs, and Stable Diffusion.
- It offers real-time, high-quality image restoration, background removal, object removal, content-aware expansion, and style transfer with support for up to 8K resolution and batch processing
- The platform features a flexible subscription system with credit management and secure Stripe payment integration for seamless user experience
- Imaginify provides robust user management including multi-factor authentication, social logins, API key control, and AI-powered image organization with smart collections and semantic search
- Built with modern technologies such as Next.js, React, TypeScript, Tailwind CSS, and MongoDB, it ensures a responsive, accessible, and intuitive UI with progressive web app capabilities
- A complete backend architecture supports fast GPU-accelerated AI inference, Redis caching, serverless edge functions, and comprehensive error monitoring for reliable performance at scale



Plante AI - Smart Meal Analysis App

<https://drive.google.com/drive/folders/1T0s3laE9Z6iuVpn4Z99IIYFK7xCbErO?usp=sharing>

Plante AI is an innovative Flutter application that revolutionizes how we understand and improve our eating habits through advanced AI-powered meal analysis. Simply take a photo of your meal, and our intelligent system will provide comprehensive insights, health recommendations, and safety alerts.

- Plante AI is a Flutter app that uses AI to analyze meals from photos, providing detailed nutritional information and calorie estimates.
- It offers personalized health and dietary recommendations based on user goals and nutritional gaps. The app detects allergens, unsafe food combinations, and contamination risks to ensure meal safety
- The app detects allergens, unsafe food combinations, and contamination risks to ensure meal safety
- Users can track their meal history, monitor dietary trends, and receive an overall health score for their eating habits
- The app supports offline use, multiple languages, and runs seamlessly on iOS, Android, and Web platforms

