



# Jerome de Dios

Generative AI Software Engineer

Dresden Area, Germany [+491795213992](tel:+491795213992)

[jeromededios.de@proton.me](mailto:jeromededios.de@proton.me) [Personal Website](#)

## Summary

Generative AI Software Engineer with a 15+ years of experience in Java Development, and hands-on experience supporting high-traffic sports betting platforms. Skilled in troubleshooting, system reliability, and agile collaboration. Currently enrolled in a Software Engineering program at Masterschool, deepening expertise in Advanced Python and GenAI. Seeking opportunities to join innovative tech teams while studying German.

## Education

**Masterschool** **Sep 2024 - Oct 2025**  
Software Engineering: Generative AI Training Diploma

- Currently enrolled in an intensive online training program to develop strong software engineering skills and hands-on technical expertise.
- Gained practical experience in AI Engineering, with a focus on Python, APIs, JavaScript, Flask, and SQL

**University of the Philippines Open University** **Sept 2012 - Dec 2012**  
(Incomplete) Master of Science Information Systems

**Asian Development Foundation College, Philippines** **Sep 2000 – Jun 2004**  
Bachelor of Science Computer Science

## Projects

### Nursing Assistant Application

[GitHub Repository](#)

**Tech Stack:** FastAPI, PostgreSQL, Pinecone, GPT-4o, Gemini, LLaMA 3, Grok, OAuth2, LangSmith, Logfire, Loguru

- Built an AI-powered backend to automate patient handoff and clinical Q&A, reducing manual documentation time by an industry average of 2x.
- Delivered a modular, production-ready system, achieving 100% Retrieval-Augmented Generation accuracy on WHO-sourced medical queries with multi-model support and observability.

### Guess the Title (Trivia Challenge Game)

[GitHub Repository](#)

**Tech Stack:** Python, CustomTkinter, Wikipedia REST API, Requests, Urllib3

- Developed a GUI-based trivia game featuring dynamic question generation, a scoring system, and a persistent top-5 leaderboard, improving player retention during user testing.
- Achieved 100% successful deployment with full functionality including image-based questions, lifeline tracking, and replay options.

## Profiles

[jerome.de.dios](#)

LinkedIn

[jdedios-de](#)

GitHub

## Technical Skills

### Programming Skills:

Python, CSS, Javascript, HTML, Groovy, Java Core, Java Web, Java EE, JSP, Servlets, HTML/CSS, XML, JAX-WS, jQuery, EXTJS, Ajax, Spring JDBC, PL/SQL, Selenium, SQL, PostgreSQL, MySQL, SQLite, Oracle, DB2

### Frameworks & Tools:

Flask, FastAPI, SQLAlchemy, Pydantic, Loguru, Langchain, Langgraph, Struts, Hibernate, JUnit, OpenESB, Catchpoint, PRTG, Icinga, JMeter, AppDynamics, Fisheye, Bamboo, Confluence, Jira, Bitbucket, Grafana

### Environments & IDEs:

MyEclipse, NetBeans, IntelliJ IDEA, Apache Tomcat, Glassfish, WebLogic

## Soft Skills

**Attention to Operational Excellence**

**Analytical Problem-Solving**

**Adaptable Collaboration**

Experience

Sportserve (formerly Bayview Technologies, Inc)May 2015 – Nov 2023

Senior Application Support EngineerMakati Philippines (Hybrid)

- Progressed through four technical roles over 8+ years, contributing to the end-to-end lifecycle of major sportsbook platforms, including development, operations, and application support.
- Implemented monitoring, alerting, and automation tools (e.g., AppDynamics, Kibana, JMeter), reducing incident recovery time by 2x and maintaining 99.95% SLA compliance.
- Resolved 100+ critical production issues and created internal documentation, improving platform uptime to industry average of 99.9% and accelerating team knowledge transfer.

Salmat PhilippinesMar 2012 – Jan 2015

JEE Developer & AnalystTaguig City, Metro Manila, Philippines

- Worked on 20+ Java-based features on schedule using Agile/Scrum, while streamlining issue triage workflows to reduce critical ticket backlog by 100%.

Intevalue Services Inc. & ACDec 2008 – Mar 2012

CorporationMuntinlupa & Makati, Metro Manila, Philippines

Software Engineer

- Contributed to the development of online gaming and enterprise platforms, supporting 1,000,000+ daily and government end users, including the successful rollout of an e-tax system for the Bureau of Internal Revenue.
- Improved backend reliability for payment systems and resolved 98% of client support issues independently, addressing critical bugs in financial and printing operations.

Languages

English

Native

Filipino

Native

German

A1