

JERYL DONATO ESTOPACE

Software Engineer | Building Financial & Legal Infrastructure

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PROFESSIONAL SUMMARY

Software engineer with unique cross-domain expertise: former fund accountant and financial systems specialist turned developer. Build production systems for accounting, finance, and legal domains using Elixir, Phoenix LiveView, and modern distributed architectures. Specialize in AI/ML integration, RAG systems, and financial infrastructure.

CORE COMPETENCIES

Languages & Frameworks: Elixir, Phoenix, LiveView, Node.js, TypeScript, Python, React

AI/ML: RAG Systems, pgvector, AWS Bedrock, Claude API, Retrieval-Augmented Generation

Databases: PostgreSQL, TigerBeetle, Ecto

Cloud & DevOps: Fly.io, AWS, Docker, Microservices Architecture

Domain Expertise: Fund Accounting, Portfolio Management, Financial Systems, Legal Tech

PROFESSIONAL EXPERIENCE

Elixir/Phoenix/LiveView Developer | Allocator One GmbH | Apr 2025 - Present

Financial accounting platform for venture capital fund management

- Architected distributed financial accounting system using Elixir, Phoenix LiveView, PostgreSQL, and TigerBeetle for high-performance transaction processing
- Designed role-based document workflow system with PDF field placement, LibreOffice integration, and controlled e-signature capabilities
- Built real-time interfaces with minimal JavaScript using Phoenix LiveView for responsive user experiences
- Established engineering standards through comprehensive testing, technical documentation, and code review practices

Mid Software Engineer | LawAdvisor Ventures | Mar 2022 - Mar 2025

AI-powered legal technology platform

- Pioneered RAG implementation from POC to production using Elixir, AWS Bedrock, pgvector, and Claude 3.7 Sonnet for intelligent legal document analysis
- Integrated LLM capabilities into production microservices, leveraging Hugging Face models and OpenAI for enhanced legal services
- Architected full-stack solutions with Elixir/Phoenix backend and modern JavaScript/Tailwind frontend in containerized environments
- Led technical innovation in AI feature development, establishing patterns for vector search and semantic retrieval

Junior Software Engineer | PDAX (Cryptocurrency Exchange) | Dec 2020 - Mar 2022

Payment infrastructure for Philippines' leading crypto platform

- Engineered complete payment integrations (GrabPay, GCash, UnionBank) eliminating manual processing and enabling real-time settlements
- Built full-stack payment solutions using React/TypeScript frontend with Node.js backend and PostgreSQL for transaction integrity
- Redesigned payment portal implementing modern UI/UX across the transaction lifecycle
- Deployed microservices on AWS with Docker for scalable payment processing

Technical Support Engineer | NetSuite (Oracle) | Aug 2017 - Nov 2020

Enterprise cloud ERP platform

- Resolved complex financial reporting issues across multi-book accounting, revenue recognition, and journal entry workflows
- Collaborated with global development teams to escalate and document code-level issues affecting financial calculations
- Gained exposure to SuiteCloud development, implementing JavaScript-based workflow automations

Financial Software Senior Specialist | SS&C Advent | Mar 2015 - Aug 2017

Geneva portfolio management software for global financial institutions

- Investigated portfolio valuation and investment accounting issues using Linux VMs, SQL queries, and C# log debugging
- Bridged technical and financial domains, translating complex client scenarios for development teams

Fund Accounting Specialist | JPMorgan Chase | Nov 2012 - Mar 2015

BlackRock Segregated Funds → Alternative Investment Services - Bank Loans

- Transferred from Transaction Processing Specialist (BLK SEG) to Fund Accounting Specialist (Alternative Investment Services - Bank Loans)
- Processed complex fund accounting operations using Geneva, Bloomberg Terminal, COSMIC, and TITAN platforms
- Generated portfolio and NAV reports for institutional fund clients; automated workflows using Excel macros

PROJECTS

pyworks.nvim | Open Source | Jul 2025 - Present

Neovim plugin for Jupyter notebook workflows in the terminal. Features automatic venv setup, inline plot rendering, cell execution detection, and .ipynb editing. Built with Lua and Neovim APIs.

EDUCATION

Master in Innovation and Business | Asian Institute of Management | 2025 - 2027

Postgraduate Diploma in AI & Machine Learning | Asian Institute of Management | 2025 - 2026

Diploma in Computer Science | University of the Philippines Open University | 2018 - 2025

Bachelor of Science in Accountancy | Laguna University | 2007 - 2012

WHAT COLLEAGUES SAY

"Jeryl is incredibly passionate about staying on the cutting edge of AI. He's always experimenting, learning, and pushing for the best solutions. Any team stands to benefit from a curious, forward-thinking developer like Jeryl."

— Raime Jones, Product Lead, Coopah