

Jerson Pabillo

Senior Senior Full-Stack Engineer and Agentic AI specialist

SUMMARY

- Senior Full-Stack Engineer with 10+ years designing and deploying scalable SaaS platforms and agentic AI systems using Python, TypeScript, Node.js, and React.
- Expertise in building multi-step autonomous workflows, tool-calling agents, RAG pipelines, and LLM evaluation harnesses leveraging LangChain, OpenAI, Claude APIs, and vector search technologies.
- Holds a Bachelor of Computer Science degree, with extensive experience in software development lifecycle, prompt engineering, agent orchestration, and advanced AI-driven enterprise solutions.

TECHNICAL SKILLS

Main Technical Skills	Python (6 yr.), TypeScript (4 yr.), Node.js (4 yr.), React (4 yr.), AI-agents (2 yr.)
AI Tools & Assistants	Claude (2 yr.), Cursor (2 yr.)
Programming Languages	Java, JavaScript (4 yr.), PHP (4 yr.), Python (6 yr.), TypeScript (4 yr.)
AI & Machine Learning	AI-agents (2 yr.), Claude (2 yr.), LangChain (2 yr.), LLM (2 yr.), n8n (2 yr.), OpenAI (3 yr.)
JavaScript Frameworks	AngularJS, Express, jQuery (4 yr.), Node.js (4 yr.), React (4 yr.), Vue.js (4 yr.)
C++ Libraries and Tools	C/C++/C#
Python Frameworks	Django REST framework (2 yr.), FastAPI (2 yr.), Flask (2 yr.)
PHP Frameworks	Laravel (4 yr.)
Python Libraries and Tools	pytest (2 yr.)
Java Frameworks	Spring Boot (2 yr.)
Databases & Management Systems / ORM	MongoDB (2 yr.), MySQL (4 yr.), PostgreSQL (4 yr.), Redis (2 yr.), Sphinx (2 yr.)
UI Frameworks, Libraries, and Browsers	Ant Design (4 yr.), Bootstrap 4 (4 yr.), CSS (4 yr.), HTML (4 yr.), jQuery (4 yr.), Tailwind CSS
Cloud Platforms, Services & Computing	AWS (2 yr.)
	Embedded (2 yr.)

Industry Domain Experience	
Deployment, CI/CD & Administration	CI/CD (4 yr.)
SDK / API and Integrations	Collections API (2 yr.), FastAPI (2 yr.), GraphQL (2 yr.), RESTful API (6 yr.)
Third Party Tools / IDEs / SDK / Services	Cursor (2 yr.)
Virtualization, Containers and Orchestration	Docker (4 yr.)
Version Control	Github Actions (3 yr.)
Operating Systems	Linux (2 yr.)
Web/App Servers, Middleware	Nginx (2 yr.)
Blockchain and Decentralized Software	Optimism (4 yr.)
QA, Test Automation, Security	pytest (2 yr.)
Platforms	WordPress (4 yr.)
Other Technical Skills	Claude Code (2 yr.), Illustration and icons (2 yr.), Unreal Engine (2 yr.)

WORK EXPERIENCE

Agentic AI / LLM Engineer & Full-Stack Developer - Azeus Systems (Agentic AI and LLM powered SaaS products for corporate governance and enterprise knowledge search)

Duration: May 2024 – Apr 2026

Summary:

- Developed agentic AI and large language model powered SaaS platforms focused on corporate governance, board meetings, document processing, and enterprise knowledge search
- These products automate complex multi-step workflows and provide advanced document retrieval and summarization capabilities for enterprise clients

Responsibilities:

- Architected tool-calling agents for autonomous multi-step governance workflows across document-heavy enterprise processes.
- Built agent orchestration logic to plan, route, and recover from failed tool calls, improving task completion reliability.
- Designed and implemented RAG pipelines with embeddings, vector search, and retrieval filtering including source previewing.
- Developed over forty production API endpoints handling data ingestion, metadata indexing, access control, logging, and asynchronous jobs.

- Established LLM evaluation harness with curated datasets and prompt libraries to measure output accuracy and hallucination rates.
- Engineered production safeguards such as retry strategies, response validation, streaming output, and graceful fallbacks.
- Reduced average document processing time from nine to under four minutes through batching, caching, and task coordination.
- Built reviewer-facing UIs for confidence scoring, workflow assignment, document previewing, and agent configuration.
- Modularized legacy services into decoupled domain services for stable delivery of new AI capabilities.
- Led rapid delivery using Claude Code and Cursor while managing architecture, deployment, and system decisions.

Technologies: Python, FastAPI, Node.js, TypeScript, React, PostgreSQL, MongoDB, Redis, LangChain, OpenAI API, Claude, vector databases, Docker, AWS, GitHub Actions, GraphQL

Backend Developer & LLM Engineer - Accenture (Cloud-native backend services and AI automation tools for digital transformation)

Duration: Feb 2022 – Apr 2024

Summary:

- Delivered cloud-native backend services and early AI automation tools supporting digital transformation and application modernization programs for enterprise clients
- Focused on workflow automation, AI-driven business platforms, and integration of LLM capabilities

Responsibilities:

- Developed backend services in Python and Node.js powering enterprise modernization and AI-driven platforms.
- Created REST APIs for customer records, workflow events, document payloads, and integration data.
- Delivered proof-of-concept LLM automation for document Q&A, email summarization, content categorization, and knowledge retrieval.
- Designed and optimized PostgreSQL and MySQL schemas, significantly reducing query times.
- Integrated OpenAI API workflows with reusable prompt patterns and structured output handling.
- Automated testing and deployment using Docker and GitHub Actions across multiple environments.
- Collaborated with frontend engineers to define API contracts, error handling, pagination, and response formats.

Technologies: Python, Node.js, Spring Boot, TypeScript, PostgreSQL, MySQL, OpenAI API, Docker, GitHub Actions

Python Backend Engineer - CGI (Backend services and integrations for enterprise consulting and cloud migration)

Duration: Mar 2020 – Feb 2022

Summary:

- Built backend services, APIs, and integrations to support large-scale enterprise consulting, systems integration, and cloud migration projects
- Delivered scalable and performant backend solutions for various business needs

Responsibilities:

- Developed backend services using Python frameworks Django, Flask, and FastAPI.
- Implemented REST APIs for user management, reporting, notifications, file processing, and third-party integrations.
- Optimized database queries and indexing to achieve sub-500 millisecond response times on high-traffic endpoints.
- Collaborated with business analysts and QA teams to translate requirements into production-ready functionality.

Technologies: Python, Django, Flask, FastAPI, PostgreSQL, MySQL, Redis, REST APIs, Docker, Linux, Nginx, Git, Pytest

Full Stack Developer - Shore360 (Custom web applications, customer portals, CRM workflows, and business automation tools)

Duration: Sep 2014 – Jan 2019

Summary:

- Delivered fully integrated custom web applications and business automation tools for offshore client teams
- Projects included CRM workflows, admin portals, reporting dashboards, and customer-facing websites to streamline operations

Responsibilities:

- Developed bespoke business tools replacing spreadsheet-driven operations with searchable dashboards.
- Designed responsive front-end interfaces and data entry forms to improve operational efficiency.
- Integrated third-party services such as payments, email, and mapping to automate client workflows.

Technologies: PHP, Laravel, JavaScript, React, Vue.js, jQuery, MySQL, HTML, CSS, Bootstrap, REST APIs, WordPress, Git

EDUCATION

- **Bachelor of Computer Science**
Taylor's University | Kuala Lumpur, Malaysia
2014

