

Emjay B. Factor

Software Engineer

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EXPERIENCE

Accenture
Software Engineer

Manila, Philippines
Sep 2025 - Present

- Executed and deployed code fixes within Oracle Utilities applications to resolve identified software defects and maintain system reliability
- Utilized SQL queries to investigate backend data anomalies, support troubleshooting efforts, and verify database integrity following system updates.
- Performed post-implementation testing and quality assurance to validate that applied fixes successfully resolved Jira tickets without introducing new errors
- Tracked the issue resolution lifecycle using Jira, ensuring updates are applied efficiently and documented properly

De La Salle University – Dasmariñas
Information Technology Intern

July 2024 - September 2024

- Diagnosed and resolved computer hardware and software issues, ensuring uninterrupted support for students.
- Assembled and deployed customized PC systems to meet specific performance requirements.

SKILLS

Production Experience

Java, Groovy, SQL, Jira, Bug Fixing & Debugging, Cross-Functional Collaboration, Office Applications

Technical Skills & Interests

TypeScript, JavaScript, Python, React, Next.js, PostgreSQL, Docker, GCP, Git, GitHub, Postman, LangChain, Hugging Face, n8n

EDUCATION

Cavite State University, Silang Campus
Bachelor of Science in Computer Science • 1.66 | Graduated with Latin honors (Cum Laude)
Silang, Cavite • 2021 – 2025

- Coursework: General Programming, Data Structures and Algorithms, Object-Oriented Programming, Game Development, Software Development, Cybersecurity, Networking.

Philippine Christian University
Dasmariñas City, Cavite • 2018 – 2020

Information and Communications Technology (ICT)

- Coursework: Introduction to Java, Introduction to Python, Data Structures and Algorithms, Object-Oriented Programming

PERSONAL PROJECTS

Career Insights | React, TypeScript, Vercel AI SDK, Google Gemini, Supabase, PostgreSQL, Redis

Sep 2025

- **Led the end-to-end development of a full-stack thesis application** designed to provide users with personalized, AI-driven career guidance, engineering all logic within a unified TypeScript codebase.
- **Integrated Google's Gemini model** directly through the Vercel AI SDK to generate tailored job recommendations, skills gap analyses, and potential career paths based on user-input professional data.
- **Developed an intuitive, conversational chatbot interface**, enabling users to interactively query the AI for real-time career insights and feedback.

Portfolio | React, Next.js, Typescript, RAG, LangChain.js, CI/CD, Azure, GitHub Actions, Docker

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Deployed a dynamic personal portfolio featuring an integrated AI chatbot agent built with LangChain.js, which uses Retrieval-Augmented Generation (RAG) to accurately answer questions about my skills and experience.

- Established a complete CI/CD pipeline using GitHub Actions, which automatically runs a TypeScript script to scrape the portfolio, generate embeddings, and update the Azure AI Search vector store, ensuring the chatbot's knowledge base is always current.

CERTIFICATIONS

GitHub Foundations Certification

2025

Github

- Validated core competencies in version control with Git, collaborative development workflows (pull requests, code reviews), and CI/CD pipeline fundamentals using GitHub Actions.

Oracle Utilities Customer to Meter and Customer Cloud Service 2025 Certified Implementation Professional

Aug 2026

Oracle

- Validated expertise in configuring and managing Oracle Utilities Customer to Meter (C2M) systems.

Generative AI Engineering

2025

IBM | Coursera

- Applied advanced prompt engineering and fine-tuning techniques to customize pre-trained Large Language Models (LLMs) for specialized tasks.
- Demonstrated proficiency in the end-to-end lifecycle of a Generative AI project, from data preparation and model selection to application and deployment.