Contact

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www.linkedin.com/in/pallabroy-job (LinkedIn)
www.crio.do/learn/portfolio/pallabroywrk/ (Portfolio)

Top Skills

Machine Learning
Deep Learning
MLOps

Certifications

Rust Programming for Beginners Course Completion
String Manipulation in Rust Course Completion
Data Structures & Algorithms Foundation
Mastering Loops and Iterators in Rust Course Completion
JavaScript Fundamentals

Honors-Awards

Star Employee of the Quarter

PALLAB ROY

AI-Native Software Engineer | Half a Decade Shipping Production Systems | Gen AI & Agentic Workflows
Kolkata, West Bengal, India

Summary

I don't just "implement" AI; I build the systems that make it commercially viable.With half a decade of experience in full-stack engineering, specializing in the Generative AI stack (LangChain, LangGraph, Gemini API) and robust Python/JavaScript ecosystems. I build production-grade, deterministic AI pipelines that bridge the gap between raw data and high-value business automation.
I focus entirely on systems that actually work under stress in production, strictly avoiding brittle, out-of-the-box "AI wrappers."I help data-heavy, high-compliance professional service firms.. like boutique accounting, independent wealth management, and specialized engineering, automate their complex client reporting. Managing Partners often struggle with their senior staff being trapped in a manual "data-to-narrative" reporting loop, which causes thousands of high-value billable hours to be wasted on mechanical drafting. I solve this by deploying locally sandboxed, zero-data-retention AI pipelines that automate this drafting without ever risking mathematical hallucinations or exposing proprietary client IP.When I am not auditing corporate workflows, I am deep in the codebase. I am currently architecting a containerized application with a full-stack statistics dashboard, heavily utilizing database seed scripts to rigorously test state features. I also document trench-tested engineering truths to help other developers avoid catastrophic production failures, authoring technical deep-dives like "The Silent Killer of AI Projects: How to Spot Data Leakage" and "Stop Optimizing for MSE."Alongside full-time opportunities, I partner with technical leads and founders of high-compliance advisory firms to audit their internal bottlenecks and integrate secure, human-in-the-loop automation.If you are a tech-forward firm looking to reclaim senior billable hours, or an engineering team hiring a pragmatic, AI-native developer, let's connect. Send me a DM to talk architecture, or check out my featured articles to see how I approach production-grade machine learning.

Experience

BASSETTI India
AI-Native Software Engineer | Gen AI Lead
September 2023 - Present (2 years 9 months)
Kolkata

• Architecting a Gen AI-driven predictive platform for French hospitality clients, utilizing Gemini API and FastAPI to automate market intelligence.
• Orchestrating end-to-end data pipelines—from automated news scraping to labeled data transformation for LLM summarization.

Inceptial Technologies
Software Engineer
July 2021 - August 2023 (2 years 2 months)
Kolkata

• Led the development of a patient management system for a French healthcare client, implementing complex audio-therapy logic using pure TypeScript.
• Managed full-cycle delivery and client communication, reducing reliance on third-party libraries by building custom streaming and playlist logic.

Education

Maulana Abul Kalam Azad University of Technology, West Bengal formerly WBUT
Bachelor of Technology - BTech, Computer Science & Engineering · (July 2018 - July 2022)