Wassim LaCorchy

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EXPERIENCE

Principal Software Engineer, LENNAR   02/2025 - 07/2025

- **Architected GenAI documentation assistant** using a composite MCP system, orchestrating agent-to-agent workflows **(GitHub, Atlassian, code analysis)** to automate documentation and **Confluence** syncs.
- **Built** *Lennar Connect's* GenAI platform **(LangGraph, multi-agent, GPT-4o, Azure),** automating Tier-1 HR workflows (**PTO, ServiceNow, Workday, RAG**), reducing team workload. Deployed on **AWS/Kubernetes**.
- **Led 9-engineer Applied AI Full Stack Team** on internal automation, onboarding, and technical strategy.
- **Co-led architecture of** *The Pricing Machine*, now cited in **Lennar's earnings calls** as the **crown jewel of its tech portfolio**. Delivered full-stack web platform (**Next.js, Prisma, AWS**) to enable algorithmic home pricing across **all Lennar divisions nationwide**. Achieved a **0.1% optimization uplift**, driving an estimated **$36M in annual revenue impact**. Led CI/CD (**Azure, GitHub Actions**) and coordinated multi-functional teams (**QA, Data, Frontend, DS**).
- Built and maintained data pipelines and models using **DBT, Snowflake, Salesforce APIs, Qlik Replicate, and RPA systems** to deliver pricing insights and margin rationale. Integrated The Pricing Machine, **JD Edwards (JDE)**, and **Salesforce** into a centralized Snowflake-based pricing change log for full traceability and compliance.

Co-Founder, Based Music LLC (www.basedmusic.vip)   09/2024 - Current

- Built cross-platform social app (Expo, Express.js, AWS), 7.5x faster streaming. AI-driven search (NLP, Pinecone, Bedrock) and TensorFlow analytics. Integrated event-driven infra, real-time chat, and Mapbox-based discovery.

Co-Founder & Head of AI Solutions, Lasaria LLC (www.lasaria.us)   04/2024 - 01/2025

- Delivered AI/ML solutions (healthcare, edtech, govtech): built LLM document agents (LangGraph, Azure AI Search), designed MLOps infra (Docker, Lambda, Terraform), led cross-functional teams and playbook standardization.

Lead Software Development Engineer, City National Bank   07/2021 - 10/2024

- *Awarded for Tech Innovation (2023)*. Cut mortgage approvals from 45 to 9 days via microservices, async, and CI/CD. Increased throughput 20% with modular APIs; implemented Redis/SQS for scale.

Senior Software Cloud DevOps Engineer, Allstate Insurance   07/2019 - 06/2021

- Designed and implemented **CI/CD pipelines** using Azure Pipelines and Docker, architected **AWS auto-scaling**, and deployed high-availability **Node.js/Python microservices** and full-stack applications (React, Express.js, AWS).

Software Engineer, The Home Depot   06/2018 - 06/2019

- Implemented full-stack solutions (React, Node.js, SQL) and AWS services (DynamoDB, SES) to automate alerts, streamline data sync, and optimize store ops, while using Docker for consistent environments and faster setups.

SKILLS

Cloud & DevOps: AWS (EC2, Lambda, Cognito, DynamoDB, S3, CodePipeline, Kinesis, Fargate, EKS, ECS, ALB, AppRunner, API Gateway, Route 53, CloudWatch, IAM), Azure AI Services, Azure AI Search, Docker, Kubernetes, Terraform, Jenkins, GitHub Actions, CI/CD, Serverless, Automated Deployments, Prometheus, Grafana, OAuth, JWT

Microservices & Architecture: Node.js (Express), Python (FastAPI), Java, React, React Native (Expo), Serverless, RESTful APIs, WebSockets, Lambda WebSockets, EventBridge, SQS, SNS, Load Balancing, Redis, ETL pipelines, Data Sync, Data Modeling, Qlik Replicate, JD Edwards (JDE)

AI, GenAI, ML: LangChain, LangGraph, GPT-4o, OpenAI, Azure OpenAI, AWS Bedrock, RAG, LLMs, Qdrant, Pinecone, Vector DBs, TensorFlow, NLP, Agentic Workflows, Orchestration Layers, Data Pipelines, AI-powered Search, Recommendation Engines, ServiceNow, Workday

Programming & Frameworks: JavaScript, Python, Java, TypeScript, SQL, React, Redux, Express, Maven, DBT, Snowflake, Redshift, Glue, Athena, MongoDB, DynamoDB, Firebase, , RPA (Robotic Process Automation), Salesforce APIs

Automation & Testing: Selenium (WebDriver/IDE), Cypress, TestNG, Cucumber (BDD/TDD), JUnit, SOAP UI, Agile-Scrum, SAFe

Certifications: AWS Certified Solutions Architect – Professional, Certified Project Manager (CPM – PMI)