

Cyprien Dcunha

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Experience

Salesforce.com

Nov 2025 – Present

Senior Software Engineer (Hyperforce AI)

Hyderabad

- Developed multiple IDE plugins, MCPs, and autonomous Agent Skills as part of the Central DevExp AI Team to automate the end-to-end SDLC, resulting in almost 100% weekly AI engagement, a 5x reduction in on-call incident analysis time, and a 50% cut in PR review wait times.
- Engineered a provider-agnostic framework by leveraging AI agentic tools to systematically translate and extend 4 core / platform services from native AWS to GCP Tier 1 infrastructure under strict compliance laws.

Amazon

Dec 2021 – Nov 2025

Software Development Engineer 2 (Finance Automation)

Hyderabad

- Designed Agentic web automation system using AWS AgentCore processing 15,000+ weekly data extractions across 2,000+ web portals, replacing brittle Selenium scripts and manual workflows. Achieved 92% accuracy using parallel agents, plan caching and RL, reducing engineering and maintenance support by more than 85%.
- Engineered an LLM-driven Financial Reconciliation Engine processing up to 10M records per day, accelerating anomaly detection and reducing manual work by 65%. Utilized RAG against historical customer notes and LLM-based semantic mapping to achieve a recon accuracy of 67%.
- Drove VendorHoldbacks re-architecture from monolith to 11 microservices, leading a team of 3 developers, enabling 6M transactions (worth \$2.1B) at 2000 TPS. Transformed batch processing to event-driven architecture, slashing processing time from 24h to near real-time and reducing vendor inquiries by 23.5% across 14+ countries.
- Participated extensively in technical design reviews, providing feedback focused on improving system architecture, scalability, and identifying potential anti-patterns.
- Conducted over 1,100 code reviews and championed technical design reviews, providing architecture feedback to enhance scalability, maintainability, and eliminate potential anti-patterns across teams.
- Spearheaded roadmap planning and strategic prioritization by advising senior leadership on technical feasibility, engineering complexity, and goal setting for future deliverables.

Amazon

May 2019 – Dec 2021

Software Development Engineer 1 (Finance Automation)

Hyderabad

- Developed ML-driven automated holdback system preventing \$14.7MM in debit balance exposure. Built scalable pipeline processing 90,000+ vendors' historical data with configurable risk engine using linear regression for seasonal patterns, eliminating manual assessment for 3,600+ high-risk vendors during peak events.
- Implemented a data segregation system for special merchants, restricting data access across over 20 input sources and ensuring merchant-specific information security.
- Slashed support tickets from 1200+ (2020) to under 20 (2022) through systematic issue resolution. Established robust on-call processes for high-severity incidents, significantly reducing operational load.

Education

Dwarkadas J. Sanghvi College of Engineering

Jun 2015 – May 2019

Bachelor of Engineering, Computer Science (CGPA: 9.08 / 10)

Mumbai

Awards and Recognitions

- Earned Amazon SDE Recognition Awards (2022, 2024 & 2025) for consistently raising the engineering bar.
- Finalist in Amazon FinAuto Hackathon 2024 for developing IDE tooling for AWS Step Functions development.
- Winner of IBM's Call for Code Challenge at AngelHack, securing \$1,000 prize.
- Secured 3rd place and \$1,100 prize in TopCoder Development Challenge.

Technical Skills

Gen-AI: LLMs, Prompt Context Management, Skills, LLM fine-tuning, Agent Orchestration, Agent Memory, Vector DBs

Architecture: Distributed Systems, Agentic Systems, RAG Systems, MCP Servers, Microservices, REST APIs

Frameworks & Tools: NumPy, Pandas, Tensortflow, PyTorch, LangChain, LanGraph, Laminar, Pydantic, Git, Docker

Languages & Core: Python, Java, C++, JavaScript, TypeScript, MySQL, Data Structures, Algorithms, CI/CD

AWS & Cloud: AWS Bedrock, Amazon SageMaker, AWS AgentCore, Lambda, Step Functions, DynamoDB, S3, RDS