John (Jo) Doe

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**Personal Summary**

B-round startup veteran tech lead with eight years of cloud development experience across verticals, including health care, ML infra, and Edge AI agents. Skilled in multi-agent orchestration and extensive computing systems.

**Professional Experience**

**Global Cloud Inc. Seattle, WA**

**Senior Software Development Engineer - Elastic Infra Platform 2021.06–Present**

**Union Deployment, like a deployment carpool streamlining update flow across global infrastructure:**

* Architected batch compute systems for next-gen SDP, [helping CrowdStrike avoid another historic outage.](https://blogs.windows.com/windowsexperience/2024/09/12/taking-steps-that-drive-resiliency-and-security-for-windows-customers/)
* Achieved 99.99% update coverage for hybrid clouds serving RedRock, ClosedAI, Walnut, and BinaryDance.
* Spearheaded cross-team efforts building data warehouses, ensuring global rollout visibility for leadership.
* Pioneered enhancing small LLMs' reasoning via RL self-play and MCTS to build an infra-rollout agent.

**Software Development Engineer II - Core Infra Platform 2019.05–2021.05**

**Northstar, a cluster orchestration system coordinating rollouts to 8M nodes provisioned by top cloud providers:**

* Identified 49 new metrics for rollout failure analysis, saving over $2M in losses for Walnut and RedRock.
* Simplified watermark of data aggregation for RTB Ad Exchange, saving advertisers 5% ad revenue loss.
* Improved customer satisfaction by refining legacy rollout algorithms, cutting rollout time by 30%.
* Innovated alert merging, cutting Mean Time to Detect from 24h to 30m, ensuring 99.9% SLA uptime.

**TechCorp LLC San Francisco, CA**

**Software Engineer 2016.11–2019.03**

**Health Plan Marketplace, a data-driven platform that optimizes employee benefits renewal strategies:**

* Led ML infra migration to AWS, achieving 99.9% availability for benefit recommendation service.
* Designed a distributed message queue streamlining enterprise integration between BDP and OfficeDay.
* Implemented a Bloom-Filter caching service for password breach detection, saving over $200k in cloud costs.

**HealthData Systems Chicago, IL**

**Software Engineer 2015.09–2016.11**

**CareChart, a cloud-based solution for clinician charting and revenue cycle management:**

* Designed a data placement service for S3-like storage, ensuring 99.9999% data durability for data lakes.
* Built a garbage collector to reclaim space via compaction, handling deleted, orphaned, and corrupted data.

**Publication**

* Ved, A., Shazam, N., Pavithra, N., Uzi, J., **Doe, J.**, Gomez, A. N., Karen Ł. & Poco I. (2017). Distraction is all you need. Advances in Neural Information Processing Systems (p./pp. 5998--6008), .

**Education**

* **Notecnirp University** M.S. in Computer Science **2015.06**
* **Jiangning University** B.S. in Computer Science **2012.06**

**Core Skill Set**

**Language**: C++, C#, Java, Python, SQL **Expertise**: Large Scale Distributed Systems, LLM Orchestration