

ARJUN ASHOK

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SUMMARY

Builder, solver, and disrupter who gets things done. Over 5+ years, I've architected, built and maintained robust software systems at scale that support billion-dollar markets. I have a proven track record of diagnosing spaghetti systems, cutting through ambiguity, and shipping solutions end-to-end starting from early client conversations to deployed code. Now, I'm applying that grit and expertise to build agentic and LLM-powered production systems, to help businesses evolve, catalyze growth and harness real value.

PROJECTS AND PATENTS

Deep Agent for Supply Chain Diagnosis - an agentic MVP to diagnose bottlenecks in supply chains; [GitHub Link](#)

Job Search Agent - a smart agent that monitors job postings and reports back; [GitHub Link](#)

Event Root Cause Identification for Computing Environments - Patent No: **US-11531581**, issued on 12/22/22, [Patent Link](#)

Generation of an Electronic Document Capable of Receiving User Input - Patent No: **US-11659104**, issued on 05/23/23, [Patent Link](#)

EXPERIENCE

- Datavant** Jan 2025 - present
 - Software Engineer III*
 - Orchestrated the seamless delivery of AI models into production applications by architecting and deploying distributed data pipelines using Apache Spark on Databricks AWS. Bridged gaps between client-facing APIs and PySpark infrastructure, increasing ML output refresh rates by 40%
 - Interviewed stakeholders to understand user needs and pain points, translating their feedback into product features. Architected, designed, and built a new product exposing Spring-based APIs that interfaced with machine learning pipelines and dbt models, while provisioning AWS infrastructure (Aurora, SQS, S3) via Terraform
 - Engineered and contributed to a reusable Spring-based authentication library and broader monorepo shared libraries, standardizing security and core functionality across downstream applications and removing approximately 2,000 lines of redundant code company-wide.
 - Collaborated with Product, Sales and Engineering leadership to devise the product roadmap. Contributed to effort estimation, resource planning and allocation using Gantt charts. Groomed user stories, established the Definition of Done, organized sprint planning and aided in allocating story points for tasks in Jira
 - Partnered with Data Science and R&D to design and construct Lakeflow jobs in Databricks using Declarative Automation Bundles to perform effective ETL of clinical data. Developed a wrapper system using Python and packaged the workflow as a PIP module for automation
 - Facilitated periodic knowledge transfer sessions regarding new initiatives and features, and created technical documentation using Miro and LucidChart. Helped with the onboarding of new colleagues into the team through constant follow-ups and AMA sessions
- Datavant (prev. Apixio)** Jul 2023 - Dec 2024
 - Software Engineer II*
 - Spearheaded the design, architecture and implementation of a flagship product, Insights, involving Apache Kafka, Redis and Cassandra DB. Coordinated the test and release plan with product managers to ensure timely delivery
 - Designed and implemented numerous RESTful APIs as part of the Pre-Visit application restructure using Dropwizard Java framework and reduced the microservice maintenance overhead by 70% through improved logging and monitoring
- Citrix** Jul 2019 - Jun 2021
 - Software Engineer*
 - Ensured reliable and secure delivery of Citrix Analytics Service (CAS) using AI Ops and increased service uptime by 30%
 - Deployed and maintained cloud infrastructure to ensure high availability, used CI/CD pipelines to achieve 99.95% SLI

SKILLS

- Agentic/LLM:** LangChain, LangGraph, Ollama, vLLM, ChromaDB, Pydantic, Arize, PyTorch
- AI Tools:** Claude Code, Perplexity Comet, Codex
- Application:** Python, JavaScript, Java, React, SQL
- Data:** Databricks, PySpark, dbt, Apache Spark, PostgreSQL, Redis, Kafka, AWS Aurora
- CI/CD:** Kubernetes, Docker, Terraform, ArgoCD, Jenkins, Datadog
- Cross-functional:** Technical discovery and prioritization, Product scoping and delivery, Stakeholder management

EDUCATION

Arizona State University - Master's - Computer Science (Summa cum Laude) - 2021 to 2023

PSG College of Technology - Bachelor's - Computer Science (First Class with Distinction) - 2015 to 2019