

KAUSHIK PULGARI

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WORK EXPERIENCE

Cohesity

Software Engineer (Distributed Systems), MTS I

Santa Clara, CA

June 2025 – Present

- Reduced test suite execution time by 21% by refactoring unit test structure to singleton architecture, eliminating redundant setup/teardown operations.
- Redesigned cloud storage test framework by developing dynamic namespace generation system for cloud target names (S3 buckets), enabling tester reuse across multiple cloud tests.
- Built customer-facing monitoring dashboard using C++ HTTP server to visualize 12 file scrubber metrics for real-time data integrity monitoring.
- Wrote deduplication unit tests to validate efficient chunk referencing for 10MB datasets, ensuring system avoided redundant data writes in storage platform.

Cohesity

Software Engineer Intern

San Jose, CA

May 2024 – Dec 2024

- Built Python debugging utility that reduced performance analysis time from hours to 15 minutes by automating metric extraction, storage, and visualization from multi-node cluster logs.
- Developed log processing pipeline using Beautiful Soup to parse dozens of performance metric files (I/O, bandwidth, latency, QoS) from 16-node clusters based on YAML configurations.
- Created 60+ Grafana dashboards displaying hundreds of metrics, transforming raw HTML logs into actionable visual insights for engineering teams.

Charles Schwab

Software Engineer Intern

St. Louis, MO

Jun 2023 – Aug 2023

- Refactored ASP.NET and AngularJS web pages to optimize onboarding for 20,000+ users/min during TDA-Schwab merger.
- Integrated enterprise logging library into .NET Core APIs, reducing log noise by 37% and improving backend performance.
- Wrote 12 unit tests with Moq and Jasmine to validate backend and frontend, increasing test coverage.

Mortgage Connect

Software Quality Assurance Intern

Remote

Jun 2022 – Aug 2022

- Created 30+ Selenium and TestNG scripts, reducing regression test time by 83% and increasing release confidence across critical workflows.
- Conducted API testing on 25+ endpoints using Postman, ensuring accurate client-server data exchange.

SKILLS

Languages: Python, C++, JavaScript, Java, SQL

Frameworks: ReactJS, Flask, Tailwind, NumPy, pandas, Matplotlib

Developer Tools: AWS (EC2, S3, RDS, Lambda), Kubernetes, Docker, Grafana, Firebase, Postman

Project Management: Jira, Azure Boards, Confluence, Agile

EDUCATION

University of Illinois Urbana-Champaign

Bachelor of Science in Computer Science and Economics

Champaign, IL

Aug 2021 – May 2025

Cumulative GPA: 3.98/4.00

Honors: Magna Cum Laude, Phi Beta Kappa

PROJECTS

Magellan *JavaScript/HTML/CSS, Gemini API, Chrome Storage API*

- Built an open-source Chrome extension that lets users query webpages using AI, featuring LLM chat interface and visual highlights; received 180+ downloads.

Modulo *Next.js, Firebase, Vertex AI API, shadcn*

- Created a global developer platform with task management, roadmaps, and Gemini-powered AI chat to boost productivity for distributed teams.

IFI Terminal *Python, Conda, yFinance API, Finnhub API*

- Developed a real-time stock analysis terminal displaying 15+ metrics for 3,000+ tickers, helping traders make better decisions.