

# Santiago Cravino

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## Skills

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**Languages:** TypeScript, JavaScript, Python, SQL, HTML/CSS

**Technologies:** React.js, Next.js, Node.js, Express.js, Redux, Docker, Kubernetes, AWS (EC2, S3, DynamoDB), SQL (Postgres), NoSQL (MongoDB), Snowflake, GraphQL, REST APIs, Jest, Cypress, MSFT AutoGen, LangChain, FastAPI, Metabase, Webpack, Vite

## Experience

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**Software Engineer, OS Labs**

Jul 2024 – Present

- Architected multi-container monitoring solution using (Docker Compose, Node.js) integrating 5 containers for comprehensive observability and real-time system performance analysis and optimization. [Launch Article](#)
- Designed interactive Kubernetes Observability Dashboard using React-Graph-Vis, TypeScript supporting real-time mapping of 4 resource types (nodes, pods, services, deployments) for debugging and understanding.
- Engineered custom AI analysis solution using (AWS Bedrock, Claude 3) solving unique challenges in processing 4-6K tokens while maintaining costs under budget through efficient cloud resource management and scaling.
- Constructed robust metric persistence layer using (PostgreSQL, TypeScript) enabling historical analysis across 8+ metrics with 10-second granularity for enhanced system monitoring and performance tracking.
- Spearheaded scalable monitoring system using (Prometheus, Grafana, TypeScript) enabling real-time tracking of 6+ critical metrics with performant visualizations for enhanced user experience.
- Created user-focused monitoring dashboard using (Grafana, Prometheus) solving complex data visualization challenges across 6 core metrics with configurable alerting for proactive management.

**QA & CI Manager, Flexport – Phillipsburg, NJ**

Jan 2024 – Jun 2024

- Developed data-driven analytics platform using (SQL, Python) processing 50K+ daily metrics, creating custom solutions for tracking 8 KPIs across 7 warehouses with automated reporting and visualization.
- Innovated comprehensive automated inventory monitoring system, enabling tracking of 100K+ SKUs with 99.8% accuracy through probabilistic sampling algorithms and advanced data validation.
- Devised advanced warehouse optimization algorithm generating velocity-based pick paths reducing average pick cart time from 15 minutes to 5 minutes through strategic zone placement and optimization.

**Area Manager, Amazon – Sacramento, CA**

May 2023 – Dec 2023

- Directed complex overnight sortation operations using (Amazon's tracking systems) managing 150 associates processing 75,000+ packages daily with 99.75% accuracy and optimal efficiency improvements.

## Projects

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**Generative AI PR manager**

[github.com/cravinos/rbrdck](https://github.com/cravinos/rbrdck)

- Crafted automated code review platform using (Python, Ollama LLM) orchestrating multi-agent analysis across 4 key dimensions (quality, coverage, docs, dependencies) with cross-referenced insights for comprehensive evaluation and continuous improvement monitoring and performance tracking. [Product Blog Post](#)

**Test Coverage Generator**

[github.com/cravinos/testAgentsTool](https://github.com/cravinos/testAgentsTool)

- Developed AI-powered test automation tool using TypeScript/Node.js and OpenAI's GPT models, featuring a microservices architecture to automatically generate unit tests and improve code coverage and quality.

## Education

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**Rutgers University – BS in Business Analytics & Information Technology**

May 2023

## Volunteering

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**CVS Health – , Clinic coordinator, Vaccinator**

Dec 2020 – Dec 2022