

KRISHAN S PATEL

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EDUCATION

Georgia Institute of Technology, *B.S. Computer Science* | Graduated: May 2023 | GPA: 3.81/4.0

Skills & Technologies: Python, AWS (Lambda, ECS, DynamoDB, CloudWatch, Glue), Kubernetes/Docker, SQL/Postgres, Java, React, TypeScript, Node.js, NoSQL/MongoDB, Linux

Soft Skills: Problem-solving, attention to detail, verbal and written communication, teamwork, leadership, adaptability, time management, organizational skills

WORK EXPERIENCE:

Capital One | Senior Associate Software Engineer

August 2023 - Present

- Engineered enterprise-scale platform to streamline internal volunteer registrations and grant applications across 1,000+ employees and ~500 non-profit partner organizations.
- Architected and deployed a scalable AI-driven qualification platform using Selenium, BeautifulSoup, and Mistral 7B LLM. Implemented a Collaborative Filtering ML model to match applicants with skill-based volunteering opportunities, processing 200+ hours of automated matching workflows annually.
- Developed the Decrypt and Stream Lambda (DASL) Platform, a critical distributed systems service for daily transaction files, achieving 99.9% uptime through reliability engineering practices. Led multiple high-stakes demos for business leaders and stakeholders, expanding the platform's reach across the enterprise. Co-led the development of a full-stack replay tool, enabling downstream customers to efficiently recover failed transaction files.
- Established GitHub best practices across the organization, standardizing Conventional Commits across teams to enhance code quality, organization, and collaboration. These CI/CD checks are implemented enterprise-wide.
- Led efforts to onboard a vendor application using infrastructure automation and ETL pipelines with AWS Glue, designing for scalability across 3+ engineering teams enterprise-wide.
- TDP Program Council Lead (Aug 2024 - Feb 2025), influencing program initiatives and mentoring new associates.

Goldman Sachs | Marcus Summer Analyst Intern

June 2022 - August 2022

- Deployed an AWS scheduler that automates the start and stop of ECS instances, leveraging DynamoDB, AWS Lambda, and a Flask-based web framework, reducing AWS costs by 10% annually.
- Implemented monitoring and observability solutions, driving insights into cloud infrastructure performance.

KS Solutions LLC | Software Engineering Intern

April 2021 - August 2021

- Developed an automated reporting solution using Java and SQL, generating on-demand PDF reports with uniform formatting, saving 10+ hours/week for the client that manually creates these reports.
- Enhanced user experience by implementing an autocomplete search function, improving efficiency and usability.
- Coordinated with business partners and tech team to ensure successful feature integration and launch.

PROJECTS:

Hit Your Macros (Python, Amazon Textract, Claude 4.0, Supabase, React Native)

December 2024 - Present

A scalable full-stack nutrition intelligence platform, serving 100+ users to eat out while staying within their health goals.

- Architected scalable data pipeline using Amazon Textract and Claude 4.0, handling millions of restaurant menu items.
- Built optimized Supabase database with RESTful microservices, rate limiting, and monitoring capabilities for real-time location-based queries across thousands of restaurants.

Intelligent Tutoring Systems (JavaScript, MongoDB, REST, React, Node.js, Figma)

January 2021 - May 2022

JavaScript learning platform with interactive challenges and progress tracking, partnering with Atlanta middle schools.

- Architected scalable database design using MongoDB with optimized schemas supporting real-time progress tracking.
- Created UI/UX designs in Figma, translating wireframes into a fully functional React and Node.js application.

ACHIEVEMENTS AND LEADERSHIP:

Board Member of Raas All-Stars | Non-Profit Organization

June 2023 - June 2025

Captain of Georgia Tech Ramblin' Raas | Collegiate Dance Team

May 2022 - May 2023

Eagle Scout | Boy Scouts of America, Troop 1154, Ashburn, VA

March 5, 2019