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Top Skills

Dynatrace

compose

Amazon EC2

Certifications

Bravo Award Engineering Excellence - Jan 2025 - Walmart Global Tech

Generative AI for Software Development Specialization

Snehal G

Android at Walmart Global Tech
New York, New York, United States

Summary

I've worked on diversified tech stacks (web and mobile).
I have attended bootcamp at Product School (https://certificate.productschool.com/4eb7cc86-7c4f-4a27-9cd2-024ba47c1a10#

Experience

Walmart Global Tech
Android Engineer
January 2024 - Present (1 year 10 months)
New York, New York, United States

Technologies Used: Jetpack Compose, Kotlin, Dagger, Android Studio, Azure App Insights, Dynatrace, Python

* Awarded the Bravo Award for Engineering Excellence in January 2025, recognizing outstanding contributions and impact.
* Designed and developed critical features for a high-impact Android app enabling Walmart pharmacy associates to dispense medications to customers efficiently in stores. This app supports Walmart's same-day prescription and grocery delivery service, a cornerstone of Walmart's customer experience. App Details - https://www.cnbc.com/2024/10/22/walmart-will-start-delivering-prescriptions-as-cvs-walgreens-struggle.html
* Architected and built Android applications (leveraging Compose, Kotlin, and Dagger) to empower pharmacy associates at Walmart and Sam's Club locations across the U.S., ensuring seamless integration with operational workflows.
* Led cross-functional collaboration with Design and Backend Teams, overseeing UI implementation and API integration, including mock response setup to render accurate test data for development and QA.
* Spearheaded Dynatrace adoption for the Walmart Pharmacy app by engaging with Dynatrace, Walmart Security, and internal teams. Conducted proof-of-concept (POC) initiatives to implement Dynatrace for logging customer events and configuring Slack/Email alerts to streamline monitoring and troubleshooting processes.

* Spearheaded release of Dynatrace changes so that the user action events go to Prod and QA clusters for 12 apps and across 4300+ stores. Architected alert notification by comparing 6 different approaches considering the HIPAA approvals, development efforts and the cost involved.

* Automated the Change Request Questionnaire (CRQ) process, significantly reducing manual effort by developing a tool using Concord Job, JavaScript, HTML, Python, and Slack integration. This automation saved 5–10 hours per week per engineer, optimizing team efficiency.

Optum
4 years 4 months

Data Engineer
April 2023 - December 2023 (9 months)
New York, United States

Technologies Used - Spring Boot, Apache Beam, Hbase, Kafka, MySQL, Azure Cognitive Search

* Wrote pipelines using Apache Beam and Kafka for Data ingestion of 5-100 Million records in the MySQL database.

* Designed API's for extracting records from Azure Cognitive Search.

* Migrated few services from AWS to Azure.

Software Engineer, Ads/Campaigns (API)
September 2019 - March 2023 (3 years 7 months)
New York, United States

Technologies Used: Spring Boot, Hibernate, Java, MongoDB, PostgreSQL, Splunk, Datadog, Jenkins, REST, Swagger, Kubernetes, AWS

* Engineered and deployed API endpoints enabling user configuration of campaigns, placements, and tags, enhancing system flexibility and user control.

* Optimized tag calculation endpoint performance, achieving a 60% reduction in latency by integrating RabbitMQ to pre-calculate user tags based on login events, significantly improving response times.

* Led backend development as technical lead for a debugger tool, streamlining engineering efforts by 50% through efficient API design and implementation.

* Directed the backend architecture for a new campaign configuration tool, encompassing JIRA ticket management, database schema design, API development, and front-end team collaboration. Conducted comprehensive test plans pre-production and delivered weekly progress reports to management.

* Implemented role-based access controls, enhancing security and improving endpoint latency of the campaign configuration tool by 40%.

* Established proactive monitoring by configuring Datadog and Splunk alerts to notify teams when API response times exceeded defined SLAs, facilitating prompt issue resolution.

* Managed Kubernetes environments, accessing pods to debug production logs, modify environment variables, and execute cron jobs, ensuring system stability and performance.

* Automated deployment processes, creating Jenkins pipelines for production releases and weekly Kubernetes cluster provisioning, reducing manual intervention and deployment time.

* Upgraded critical system components, including MongoDB from v12 to v13 and Spring Framework from v2.7 to v3.0, ensuring compatibility and leveraging new features for enhanced performance.

PhotosBySnehal
Founder
June 2021 - June 2023 (2 years 1 month)
New York, United States

Deep North, Inc.
Software Engineer
April 2019 - August 2019 (5 months)
San Francisco Bay Area

Technologies used: Java, PHP, MySQL, SendGrid

• Worked on the developments of Notification System which can trigger emails (through SendGrid API) to the authorities whenever alerts are encountered. Built a dashboard through which the metrics about triggered/failed emails can be visualized.

• Built web dashboards using PHP and JavaScript for visualizing the metrics related to alerts, stores, location, occupancy during specific intervals of the day which reduced the manual generation of reports.

Sun-Net Inc. (aka Sun-Net Consulting)
Software Engineer Intern
October 2018 - March 2019 (6 months)
San Jose, California, United States

Technologies used: Java, Spring, Hibernate, SendGrid

• Developed admin and user REST endpoints for performing CRUD operations on the switching entries (steps involved during transmission of electricity at the substation) using Java, Spring, and Hibernate framework.
• Integrated SendGrid API with Emergency Dashboard which can trigger alerts through SMS and email to the authorities in case of an electricity outage.
• Built Data Visualization Reports using BIRT Eclipse Tool and MySQL.
Enhanced existing backend and front-end functionalities (using HTML, CSS, JSP, Servlet).

Thales
Android Intern
June 2018 - August 2018 (3 months)
Irvine, California, United States

Technologies used: Android, Java, TensorFlow Lite

• Developed video media player in android through which the airplane passengers can watch the movies on the flight.
• Developed a web framework tool using Java and Servlets which can be deployed on the server which can report the wrong predictions, retrain and develop a new TensorFlow model.
• Used machine learning and TensorFlow lite library of android to predict credits/non-credits of movies towards the end of the movie and display a popup for the users using which the next movie in the movies list can be played automatically.
• Created machine learning dataset by capturing video frames of movies for credits/non-credits image classification.
• Each and every and frame of video was captured from the media player using FFMPEG and verified with TensorFlow Lite to predict if it's a credit or not.

• The predicted time was saved in the MySQL database and the movie was cropped accordingly.

• Reduced the movie data storage memory by 4%.

Education

University of California, Irvine
Master's Degree, Computer Engineering · (September 2016 - March 2018)

Product School
Product Management · (December 2022 - February 2023)

Karunya Institute of Technology and Sciences
Bachelor's Degree, Computer Science