
DAYANA M SUNNY

SOFTWARE DEVELOPER

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PROFESSIONAL SUMMARY

Detail oriented and dedicated software developer. Passionate about problem solving and developing efficient software solutions. Committed to delivering impactful software solutions that enhance user experiences and drive business growth.

WORK HISTORY

Software Engineer, 02/2023 - 10/2024

Shipt – Remote, CA

- Worked as a software engineer at Shipt for their Shopper Acquisition and Activation team
- Designed and developed a scalable and maintainable microservice with a webserver and workers for identity verification of new and existing shoppers using a vendor called Persona. Web Server was handling 300 requests/min. This product features automated verification of shopper's identity and helps to avoid fraudsters entering the system and saving revenue.
- Analyzed and proposed technical solutions in the bi-weekly Persona sync meetings with internal product and ops based on product and ops requirements.
- Created a worker to consume and process inquiry and session events from dedicated kafka topics in batches.
- Created a new Elasticsearch index for shopper applicants and indexed data to Elastic search . Written elastic search queries to return applicant details based on search request and exposed results over an endpoint.
- Developed the feature to resolve ATO using identity verification. Designed and implemented callbacks to make this feature reusable for other fraud checks.
- Integrated new technologies into existing systems, increasing capabilities and improving overall performance. Created a temporal workflow for creating virtual cards for new shoppers . This was originally a cron job that was running for more than 25 hrs. Temporal workflow eliminated the delay in processing virtual cards for new and existing shoppers and avoided losing revenue.
- Created cron jobs as part of a metro-merge initiative to update all the shopper's metros in the database. Shopper zones and delivery windows were mapped to the newly created zones and updated the delivery

windows to the new zones using the cron jobs.

- Written python scripts to decertify existing shoppers in a certain metro, scripts to pull transition history data from fountain.com. Created an admin access bulk endpoint to move a large number of candidates off of the waitlist.
- Mentored junior engineers to guide them with their assigned tasks and debug issues.
- Written snowflake queries to extract data and debug issues.

Software Engineer, 11/2019 - 08/2022

Apple – Sunnyvale

- Worked as a tools engineer as part of an apple retail stores operations team. Created tools that are distributed across all datacenters.
- Developed a microservices call graph that shows dependency matrix of microservices in various environments using the Probot event driven framework in Node.js.
- Created API endpoints for web and iOS clients. The results were logged to splunk and created splunk dashboards using the results and metrics.
- Designed & developed an internal iOS app (iPad & iPhone) in Swift using SwiftUI, Combine frameworks.
- Developed a Watchdog application for dynamic real time monitoring of all microservices replicas using load balancer configs. Used redis in-memory cache for continuous health monitoring of the microservices.
- Implemented jobs for continuous health checks and periodic fetching of active configurations from GSLB/CDN.
- Watchdog was distributed across multiple datacenters for high availability and data consistency.
- Designed and developed a prometheus exporter CLI tool in golang to execute queries on the databases, check the uptime, fetch relevant real time metrics. This tool was designed to query from more than one datastore like couchbase, elastic search and postGres. It was deployed as a sidecar to all microservices and produced the metrics in prometheus format.

Cloud Software Engineer, 04/2017 - 10/2019

IBM – Austin

- Developed features in cloud brokerage cart-service, order service and fulfillment microservices. Primarily used Golang Gin-gonic, python flask rest-plus framework and CouchDB(NoSQL) for software development. RabbitMQ was used for internal event driven microservices communication.
- Contributed in the design and development of cloudmatrix fulfillment micro-service. This service is a provisioning agent for cloud offerings and updates the status back to the user after the service is provisioned/de-provisioned by the provider.
- Containerized python and golang microservices using Docker deployed to the cloud. Kubernetes was used for container orchestration and TravisCI was used for CI.

- Project followed the agile scrum methodology, participated bi-weekly sprint planning, design and scrum meetings
- Collaborated with management, internal and development partners regarding design status and project progress in our daily standup and biweekly sprint plannings

Database Developer Intern, 08/2016 - 11/2016

Mercadient Group – Iselin, NJ

- Alert Optimization Data pull: Worked for Investors Bank to extract Alert data, Transaction data and SARs from Fiserv FCRM Database upon various conditions
- Developed scripts and stored procedures in MS SQL Server 2012 to extract customer's Risk profile and alert information from FCRM Database
- Customer's Dynamic Risk Rating (DRS) using FCRM: Dynamic Risk Scoring utilizes a monthly risk score output of each customer to maintain a high-risk customer list
- Risk score for customers was calculated based on various factors
- Developed scripts and stored procedures in MS SQL Server 2012 to generate the High-risk Customers based on various conditions and factors

SKILLS

Golang	Node.js
Python	Java
gorilla-mux	Gin-gonic
Node.js Express framework	SwiftUI
Combine	Flask Rest-plus
PostGres	Redis
CouchDB	MySQL
Snowflake	AWS S3
Docker	Kubernetes
Kafka	RabbitMQ
Splunk	GitHub
Swagger	Data structures
Algorithms	Object-oriented programming
Code debugging	Code reviews
Team collaboration	Temporal

EDUCATION

Master of Science: Computer Science, 01/2015 - 12/2016

Illinois Institute of Technology - Chicago

GPA: 3.80

Bachelor of Technology: 09/2008 - 05/2012

Federal Institute of Science and Technology - Ernakulam

GPA: 3.7

SIDE PROJECTS

- Developed a web application using go lang to search and parse certain pdf documents of foreclosed properties.
- Created airflow dags for searching, parsing and collecting pdf documents.
- Configured minio s3 compatible storage for storing the pdf documents.
- On server log search app using ripgrep.

ACADEMIC PROJECT

Prediction of Book ratings based on Twitter feed, Predicted ratings of recently published popular books based on latest user tweets. Cloud Terasort, Configured 16-node hadoop cluster and spark cluster using amazon AWS EC2 d2.xlarge instances. CloudKon clone Project with Amazon EC2, SQS, DynamoDB, A task execution framework was implemented using Amazon SQS and DynamoDB.

TRAINING

- Algorithms
- Data Structures
- Data Mining
- Online Social network analysis
- Operating systems
- Cloud computing
- Information retrieval
- Cyber Physical Systems
- System Designs and Scalability
- Enterprise Web Development

ACTIVITIES AND AWARDS

- Technical Student Assistant at IIT at the Office of Institutional advancement (Alumni Relations).
- Teaching Assistantship (TA) was offered for Wireless Network