Jincy Jacob

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BACKGROUND

Software developer with a passion to architect, design and develop resilient innovative solutions - tooling, services, API's and big data pipelines.

My work experience helped me gain a lot of perspectives in the following areas:
- Design, architect, build APIs and backend services with scalability, usability and highly fault-tolerant architecture.
- Hands-on experience in developing backend services using with Python, GO, Node.js, Kafka, Elastic Search
- Solid understanding of CI/CD pipelines
- Hands on with Automation and TDD to ease short cycle releases
- Data analysis using Python Pandas, matplotlib
- Dashboard creation using Grafana/Prometheus
- Improved engineering productivity through automation, process improvements, or re-architecting legacy systems to reduce technical debt.

EXPERIENCE

Stealth mode startup, Remote - *Sr Software Engineer* **05/2024 - PRESENT**

Fitness Rewards application (Go, NodeJS, Python, Docker, React, Postgres, Redis) An application building analytics based on fitness data.

Affinity Solutions, San Jose - *Sr Software Engineer* **02/2021 - 04/2024**

Panorama Analytics Platform (NodeJS, Python, Docker, Jenkins, AWS Redshift, AWS RDS, AWS Lambda,AWS S3, SQL) - Data warehousing platform with billions of financial transactions that provides on-demand access to query and download U.S. consumer spend behavior.
- Designed/Implemented policy based metering/throttling for REST API. Resulted in 10% reduction in AWS cost.
- Developed new REST APIs and backend logic to measure impact of Sales/Ad campaigns
- Containerized API codebase for easier dev testing.
- Developed internal grafana dashboard to visualize API call rate, database latencies, cpu/memory usage of backend services etc.,

AFS Transaction Explorer (AWS Redshift/RDS/Postgres, Django, Elastic Search, Docker, Jenkins)
- Moved relevant data from redshift to Elasticsearch to improve search speed (more than 10x improvement).
- Developed a tool to make regular expression based searches on billions of credit card transactions.

- Implemented workflows for transaction tagging. Main intent here is to tag a group of transactions with a brand.
- Containerized the application for faster feature deployments and comparison of data.

Opentext/ Carbonite Inc, Sunnyvale - *Software Engineer* **01/2013 - 02/2021**
Carbonite Cloud backup - SaaS Backend (NodeJS, Python, Docker, Jenkins, AWS RDS, AWS SQS, AWS IAM, AWS Lambda, AWS S3, Java, Go, SQL)
- Developed web-services for user and metadata management of Carbonite Server Backup (CSB) powered by AWS and GCP that increased sales by 10%.
- Built a scalable Storage Quota Management system using mark-and-sweep technique to cleanup cloud storage for expired subscriptions. Improved scalability of the Quota-Manager by parallelizing jobs powered by AWS and GCP. Timely deletion of storage reduced AWS storage footprint.
- Isolated independent operations as microservices based on AWS platform.
- Developed test automation using Python, Selenium IDE and curl to test web pages and REST APIs..
- Maintained the existing Code; Fixed bug in Zmanda customer support and sales web pages (sugar CRM) which involves optimizing SQL queries and generating Reports.
- Maintained existing API and implemented new APIs to migrate data from Zmanda's issue tracking system to a CRM and occasionally running reports which need extensive knowledge in SQL databases.

ClickMail, Sunnyvale - *Software Engineer* **08/2012 - 10/2012**
- Developed a web-based recommendation system for ESP (Email Service Provider) selection. Implemented backend code that interfaces with the database and the selection algorithm.
- Implemented and tested complex SQL queries for generating random dataset for email marketing.

SKILLS

Programming Languages	Python, NodeJS/Javascript, GO, Shell Scripts, PHP
Cloud Technologies	GCP (cloud storage, notifications, App engine), AWS (SQS, Lambda, S3, IAM, RDS)
Databases	MySQL,MongoDB, Redis , PostGres, SQLite3, MS SQL
Cloud native Technologies	Kubernetes (MicroK8s/minikube for local dev), Docker, Podman, Rancher
Web Frameworks	Django, Flask, Laravel, Symfony
Test Frameworks	Robot Framework, Pytest, Nosetest, Selenium, PHPUnit
Automation	Ansible, Chef, Jenkins
Monitoring	Prometheus, Grafana
Data Analysis	Pandas, Matplotlib, numpy
IDE/Tools	PyCharm, VSCode

EDUCATION

San Jose State University, San Jose - *MS in Computer Science*